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OM protein - protein search, using sw model

Run on: March 14, 2005, 10:48:30 ; Search time 136 Seconds
(without alignments)
56.677 Million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSCDKTHTCPPCPAPPELL.....MHEALHNHYQQRSLSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1396920 seqs, 329844858 residues

Total number of hits satisfying chosen parameters: 881024

Minimum DB seq length: 0

Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA,*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

4: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*

5: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

6: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

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8: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*

12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*

13: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SEQ ID NO 3

SEQUENCE: /US-09-847-208B-3
; TYPE: PRT
; ORGANISM: Homo sapiens

RESULT 1
US-09-847-208-3

; Sequence 3, Application US/09847208

; Publication No. US20030082190A1

; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew

; APPLICANT: Zhang, Ke

; TITLE OF INVENTION: ZHU, Dacheng

; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF

; TITLE OF INVENTION: IGB-MEDIATED ALLERGIC DISEASES

; FILE REFERENCE: UC67-002A

; CURRENT APPLICATION NUMBER: US/09-847,208

; CURRENT FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 177

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3
; LENGTH: 232

ALIGNMENTS

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US-09-847-208-3	100.0*	232	1	1260	US-09-847-208-3
US-09-847-208-3	100.0*	232	2	1260	US-09-847-208-3
US-09-847-208-3	100.0*	232	3	1260	US-09-847-208-3
US-09-847-208-3	100.0*	232	4	1255	US-09-847-208-3
US-09-847-208-3	100.0*	232	5	1225	US-09-847-208-3
US-09-847-208-3	100.0*	232	6	1225	US-09-847-208-3
US-09-847-208-3	100.0*	232	7	1219	US-09-847-208-3
US-09-847-208-3	100.0*	232	8	1219	US-09-847-208-3
US-09-847-208-3	100.0*	232	9	1219	US-09-847-208-3
US-09-847-208-3	100.0*	232	10	1209	US-09-847-208-3
US-09-847-208-3	100.0*	232	11	1209	US-09-847-208-3
US-09-847-208-3	100.0*	232	12	1209	US-09-847-208-3
US-09-847-208-3	100.0*	232	13	1209	US-09-847-208-3

Query	Match	Length	DB	ID	Description
US-09-847-208-3	100.0*	232	1	1260	US-09-847-208-3
US-09-847-208-3	100.0*	232	2	1260	US-09-847-208-3
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US-09-847-208-3	100.0*	232	4	1255	US-09-847-208-3
US-09-847-208-3	100.0*	232	5	1225	US-09-847-208-3
US-09-847-208-3	100.0*	232	6	1225	US-09-847-208-3
US-09-847-208-3	100.0*	232	7	1219	US-09-847-208-3
US-09-847-208-3	100.0*	232	8	1219	US-09-847-208-3
US-09-847-208-3	100.0*	232	9	1219	US-09-847-208-3
US-09-847-208-3	100.0*	232	10	1209	US-09-847-208-3
US-09-847-208-3	100.0*	232	11	1209	US-09-847-208-3
US-09-847-208-3	100.0*	232	12	1209	US-09-847-208-3
US-09-847-208-3	100.0*	232	13	1209	US-09-847-208-3

Qy 181 PVLDSVGSPFLYSLKUTVDKSRWQGVNFSCSWMHEALHNHYQRSLSLSPGK 232
 Db US-09-996-357-10
 ; Sequence 3, Application US/10000439
 ; Publication No. US20030064063A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Saxon, Andrew
 ; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
 ; TREATMENT OF IMMUNE DISEASES
 ; FILE REFERENCE: UC067-004A
 ; CURRENT APPLICATION NUMBER: US/10/000,439
 ; CURRENT FILING DATE: 2001-02-24
 ; PRIOR APPLICATION NUMBER: US 09/847,208
 ; PRIOR FILING DATE: 2001-05-01
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-000-439-3

Query Match 100 %; Score 1260; DB 14; Length 232;
 Best Local Similarity 100.0%; Pred. No. 8.4e-93; Mismatches 0; Indels 0; Gaps 0;
 Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHDEPEVKF 60
 Db 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHDEPEVKF 60
 ; APPLICANT: Mann, Michael B.
 ; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods
 ; FILE REFERENCE: A-604
 ; CURRENT APPLICATION NUMBER: US/09/389,782
 ; CURRENT FILING DATE: 1999-09-03
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;
 Best Local Similarity 97.0%; Pred. No. 5.3e-90; Mismatches 3; Indels 0; Gaps 0;
 Matches 225; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHDEPEVKF 60
 Db 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHDEPEVKF 60
 ; APPLICANT: Geffter, Malcolm L.
 ; TITLE OF INVENTION: TREATING AN AMYLOIDGENIC DISEASE
 ; FILE REFERENCE: P1-105
 ; CURRENT APPLICATION NUMBER: US/09/996,357
 ; CURRENT FILING DATE: 2001-11-27
 ; PRIOR APPLICATION NUMBER: 60/253,302
 ; PRIOR FILING DATE: 2000-11-27
 ; PRIOR APPLICATION NUMBER: 60/250,198
 ; PRIOR FILING DATE: 2000-11-29
 ; PRIOR APPLICATION NUMBER: 60/257,186
 ; PRIOR FILING DATE: 2000-12-20
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 10
 ; LENGTH: 232
 ; TYPE: PRT

RESULT 3
 US-09-996-357-10
 ; Sequence 10, Application US/09996357
 ; Patent No. US2002013001A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Geffter, Malcolm L.
 ; APPLICANT: Isreal, David I.
 ; APPLICANT: Joyal, John L.
 ; APPLICANT: Gosselin, Michael
 ; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
 ; TREATING AN AMYLOIDGENIC DISEASE
 ; FILE REFERENCE: P1-105
 ; CURRENT APPLICATION NUMBER: US/09/996,357
 ; CURRENT FILING DATE: 2001-11-27
 ; PRIOR APPLICATION NUMBER: 60/253,302
 ; PRIOR FILING DATE: 2000-11-27
 ; PRIOR APPLICATION NUMBER: 60/250,198
 ; PRIOR FILING DATE: 2000-11-29
 ; PRIOR APPLICATION NUMBER: 60/257,186
 ; PRIOR FILING DATE: 2000-12-20
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 10
 ; LENGTH: 232
 ; TYPE: PRT

RESULT 4
 US-09-389-782-1
 ; Sequence 1, Application US/09389782
 ; Publication No. US20030144187A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dunstan, Colin R.
 ; APPLICANT: Wooden, Scott K.
 ; APPLICANT: Mann, Michael B.
 ; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods
 ; FILE REFERENCE: A-604
 ; CURRENT APPLICATION NUMBER: US/09/389,782
 ; CURRENT FILING DATE: 1999-09-03
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;
 Best Local Similarity 97.0%; Pred. No. 5.3e-90; Mismatches 3; Indels 0; Gaps 0;
 Matches 225; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHDEPEVKF 60
 Db 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHDEPEVKF 60
 ; APPLICANT: Bjorn, Soren E.
 ; APPLICANT: Nicolaisen, Else M.
 ; APPLICANT: Jorgensen, Anker S.

RESULT 5
 US-10-617-619-7
 ; Sequence 7, Application US/10617619
 ; Publication No. US20040110929A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bjorn, Soren E.
 ; APPLICANT: Nicolaisen, Else M.
 ; APPLICANT: Jorgensen, Anker S.

; TITLE OF INVENTION: TF Binding Compound
 ; FILE REFERENCE: 6435.200-US
 ; CURRENT FILING DATE: 2003-07-11
 ; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099
 ; PRIOR FILING DATE: 2002-08-19
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 7
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;
 Best Local Similarity 97.0%; Pred. No. 5; e-90; Mismatches 4; Indels 0; Gaps 0;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCKDKHTCPCPAPELLGGSVFLFPPKPKDTLMISRTEVTCVVNDVSHEDPEVKP 60
 Db 1 EPKSCKDKHTCPCPAPELLGGSVFLFPPKPKDTLMISRTEVTCVVNDVSHEDPEVKP 60

Qy 61 NWYVDGVEVHNVKTKPREQNYSYRVSVLTVLHQNMNGKEYKCKYSNKLAPPIKT 120
 Db 61 NWYVDGVEVHNVKTKPREQNYSYRVSVLTVLHQNMNGKEYKCKYSNKLAPPIKT 120

Qy 121 ISKAKVQREPQVTPLPPSRDELTKNQSLTCUVKGFPVSDIAVEWENQOPENNYKTP 180
 Db 121 ISKAKVQREPQVTPLPPSRDELTKNQSLTCUVKGFPVSDIAVEWENQOPENNYKTP 180

Qy 181 PVLDVGSPFLYSLKLTUVKSRQOGNVSCSVNHEALHNHYDORSLISPGK 232
 Db 181 PVLDVGSPFLYSLKLTUVKSRQOGNVSCSVNHEALHNHYDORSLISPGK 232

RESULT 6 US-10-761-593A-26

Sequence 26, Application US/10761593A
 Publication No. US20040115824A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sun, Lee-Hwei K
 ; APPLICANT: Sun, Bill N
 ; APPLICANT: Sun, Cecily R
 ; TITLE OF INVENTION: FC fusion proteins of human erythropoietin with high biological
 ; TITLE OF INVENTION: activities
 ; FILE REFERENCE: 023UN2001-A
 ; CURRENT APPLICATION NUMBER: US/10/761,593A
 ; CURRENT FILING DATE: 2004-01-21
 ; PRIOR APPLICATION NUMBER: 091932812
 ; PRIOR FILING DATE: 2001-08-17
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 26
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-761-593A-26

Query Match 97.2%; Score 1225; DB 16; Length 232;
 Best Local Similarity 97.0%; Pred. No. 5; e-90; Mismatches 4; Indels 0; Gaps 0;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCKDKHTCPCPAPELLGGSVFLFPPKPKDTLMISRTEVTCVVNDVSHEDPEVKP 60
 Db 1 EPKSCKDKHTCPCPAPELLGGSVFLFPPKPKDTLMISRTEVTCVVNDVSHEDPEVKP 60

Qy 61 NWYVDGVEVHNVKTKPREQNYSYRVSVLTVLHQNMNGKEYKCKYSNKLAPPIKT 120
 Db 61 NWYVDGVEVHNVKTKPREQNYSYRVSVLTVLHQNMNGKEYKCKYSNKLAPPIKT 120

Qy 121 ISKAKVQREPQVTPLPPSRDELTKNQSLTCUVKGFPVSDIAVEWENQOPENNYKTP 180
 Db 121 ISKAKVQREPQVTPLPPSRDELTKNQSLTCUVKGFPVSDIAVEWENQOPENNYKTP 180

Qy 181 PVLDVGSPFLYSLKLTUVKSRQOGNVSCSVNHEALHNHYDORSLISPGK 232
 Db 181 PVLDVGSPFLYSLKLTUVKSRQOGNVSCSVNHEALHNHYDORSLISPGK 232

RESULT 8 US-10-020-354-83

Sequence 83, Application US/10020354
 Publication No. US20030190311A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DALL'ACQUA, WILLIAM
 ; APPLICANT: JOHNSON, LESLIE
 ; APPLICANT: WARD, ELIZABETH SALLY
 ; TITLE OF INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF
 ; FILE REFERENCE: 10271-027
 ; CURRENT APPLICATION NUMBER: US/10/020,354
 ; CURRENT FILING DATE: 2001-12-12
 ; PRIOR APPLICATION NUMBER: 601254,884
 ; PRIOR FILING DATE: 2000-12-12
 ; PRIOR APPLICATION NUMBER: 601238,760
 ; NUMBER OF SEQ ID NOS: 118
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 83
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-020-354-83

Query Match 96.7%; Score 1219; DB 14; Length 232;

Best local similarity 96.1%; Pred. No. 1.6e-89;
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRTPETCVVVDVSHDPEVKF 60
Db 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRTPETCVVVDVSHDPEVKF 60

QY 61 NWYDGVEVHNVKTKPREEQNYSTYRVSVLTVLHQWNGKEYKCKVSKNKLAPIKT 120
Db 61 NWYDGVEVHNVKTKPREEQNYSTYRVSVLTVLHQWNGKEYKCKVSKNKLAPIKT 120

QY 121 ISKAKQPREPOVYTLPPSRDELTKQVSLTCLVKCKFQPSDIAVEMQOPENYKTP 180
Db 121 ISKAKQPREPOVYTLPPSRDELTKQVSLTCLVKCKFQPSDIAVEMQOPENYKTP 180

QY 181 PVLDVGSEFLYSKLTVDKSRWQGNVFSCSVMEALHNHYQQRSLSPGK 232
Db 181 PVLDVGSEFLYSKLTVDKSRWQGNVFSCSVMEALHNHYQQRSLSPGK 232

RESULT 9
US-10-466-593-2
; Sequence 2, Application US/10466593
; Publication No. US2004043457A1
; GENERAL INFORMATION:
; APPLICANT: Schumacher, Silke
; TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH
; FILE REFERENCE: MER-018
; CURRENT APPLICATION NUMBER: US/10/466,593
; CURRENT FILING DATE: 2003-07-17
; PRIOR APPLICATION NUMBER: PCT/EP01/15328
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: EP 01101056.8
; PRIOR FILING DATE: 2001-01-18
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-10-466-593-2

Query Match 96.0%; Score 1209; DB 9; Length 232;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRTPETCVVVDVSHDPEVKF 60
Db 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRTPETCVVVDVSHDPEVKF 60

QY 61 NWYDGVEVHNVKTKPREEQNYSTYRVSVLTVLHQWNGKEYKCKVSKNKLAPIKT 120
Db 61 NWYDGVEVHNVKTKPREEQNYSTYRVSVLTVLHQWNGKEYKCKVSKNKLAPIKT 120

QY 121 ISKAKQPREPOVYTLPPSRDELTKQVSLTCLVKCKFQPSDIAVEMQOPENYKTP 180
Db 121 ISKAKQPREPOVYTLPPSRDELTKQVSLTCLVKCKFQPSDIAVEMQOPENYKTP 180

QY 181 PVLDVGSEFLYSKLTVDKSRWQGNVFSCSVMEALHNHYQQRSLSPGK 232
Db 181 PVLDVGSEFLYSKLTVDKSRWQGNVFSCSVMEALHNHYQQRSLSPGK 232

RESULT 11
US-10-292-418-2
; Sequence 2, Application US/10292418
; Publication No. US20030119365A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yue
; APPLICANT: Gillies, Stephen D
; TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as
; FILE REFERENCE: LEX-006C1
; CURRENT APPLICATION NUMBER: US/10/292,418
; CURRENT FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: 09/3383,315
; PRIOR FILING DATE: 1999-08-15
; PRIOR APPLICATION NUMBER: US 60/097,883
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-292-418-2

Query Match 96.0%; Score 1209; DB 14; Length 232;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRTPETCVVVDVSHDPEVKF 60
Db 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRTPETCVVVDVSHDPEVKF 60

QY 61 NWYDGVEVHNVKTKPREEQNYSTYRVSVLTVLHQWNGKEYKCKVSKNKLAPIKT 120

RESULT 12
 US-10-419-058-6
 ; Sequence 6, Application US/10419058
 ; Publication No. US20040053366A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lo, Kin-Ning
 ; APPLICANT: Zhang, Jinyang
 ; APPLICANT: Gillies, Stephen D.
 ; TITLE OF INVENTION: Expression and Export of Anti-Obesity Proteins as Fc
 ; TITLE OF INVENTION: Fusion Proteins
 ; FILE REFERENCE: LEX-008
 ; CURRENT APPLICATION NUMBER: US/10/419,058
 ; CURRENT FILING DATE: 2003-04-18
 ; PRIORITY APPLICATION NUMBER: US/09/419,508
 ; PRIORITY FILING DATE: 2000-01-07
 ; PRIORITY APPLICATION NUMBER: US 60/115,079
 ; PRIORITY FILING DATE: 1999-01-07
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO: 6
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-419-058-6

Query Match 96.0%; Score 1209; DB 15; Length 232;
 Best Local Similarity 95.0%; Pred. No. 1e-88; Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 1 EPKSCDKHHTCPCCPAPELLGGPSVFLPPKPKDTLMSRTPEVTCVNDSHEDPEVKF 60
 Db 1 EPKSCDKHHTCPCCPAPELLGGPSVFLPPKPKDTLMSRTPEVTCVNDSHEDPEVKF 60
 Qy 61 NWYVDGVEVHNVKTPREQQNSTYRVSVLTVHONWANGKBTCKVSNKALPAPIEKT 120
 Db 61 NWYVDGVEVHNVKTPREQQNSTYRVSVLTVHONWANGKBTCKVSNKALPAPIEKT 120
 Qy 61 NWYVDGVEVHNVKTPREQQNSTYRVSVLTVHONWANGKBTCKVSNKALPAPIEKT 120
 Db 61 NWYVDGVEVHNVKTPREQQNSTYRVSVLTVHONWANGKBTCKVSNKALPAPIEKT 120
 Qy 121 ISKAKQPREQVTLPPSREENTKQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTP 180
 Db 121 ISKAKQPREQVTLPPSREENTKQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTP 180
 Qy 181 PVLDVGSPFLYSLTVKSRMQRQGNVSCSVWHEALNHYQORSLSJSPGK 232
 Db 181 PVLDVGSPFLYSLTVKSRMQRQGNVSCSVWHEALNHYQORSLSJSPGK 232
 ; US-10-313-135-4
 ; Sequence 4, Application US/10313135
 ; Publication No. US20030109003A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Meoley, Bruce
 ; APPLICANT: Cosman, David J.
 ; TITLE OF INVENTION: Receptor for Oncostatin M
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSER: Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER REARABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: Apple Macintosh
 ; OPERATING SYSTEM: Apple 7.1
 ; SOFTWARE: Microsoft Word, Version 5.1a
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/313,135
 ; FILING DATE: 06-Dec-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/058,264
 ; FILING DATE: <Unknown>
 ; APPLICATION NUMBER: US/08/308,881
 ; FILING DATE: 12-Sep-1994
 ; APPLICATION NUMBER: US 08/249,553
 ; FILING DATE: 26-May-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Seese, Kathryn A.
 ; REGISTRATION NUMBER: 32,172
 ; REFERENCE/DOCKET NUMBER: 2614-A
 ; CURRENT APPLICATION NUMBER: US/10/953,259
 ; CURRENT FILING DATE: 2004-09-29
 ; PRIORITY APPLICATION NUMBER: US 09/977,034
 ; PRIORITY FILING DATE: 2001-10-11
 ; PRIORITY APPLICATION NUMBER: US 09/575,503
 ; INFORMATION FOR SEQ ID NO: 4:

RESULT 13
 US-10-953-259-4
 ; Sequence 4, Application US/10953259
 ; Publication No. US20050042729A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lo, Kin-Ming
 ; APPLICANT: Sun, Yaping
 ; APPLICANT: Gillies, Stephen D.
 ; TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as Fc
 ; TITLE OF INVENTION: Fc Fusion Proteins
 ; FILE REFERENCE: LEX-0090WCL
 ; CURRENT APPLICATION NUMBER: US/10/953,259
 ; CURRENT FILING DATE: 2004-09-29
 ; PRIORITY APPLICATION NUMBER: US 09/977,034
 ; PRIORITY FILING DATE: 2001-10-11
 ; PRIORITY APPLICATION NUMBER: US 09/575,503

Query Match 96.0%; Score 1209; DB 17; Length 232;
 Best Local Similarity 95.0%; Pred. No. 1e-88; Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 1 EPKSCDKHHTCPCCPAPELLGGPSVFLPPKPKDTLMSRTPEVTCVNDSHEDPEVKF 60
 Db 1 EPKSCDKHHTCPCCPAPELLGGPSVFLPPKPKDTLMSRTPEVTCVNDSHEDPEVKF 60
 Qy 121 ISKAKQPREQVTLPPSREENTKQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTP 180
 Db 121 ISKAKQPREQVTLPPSREENTKQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTP 180
 Qy 181 PVLDGSFPLYSLTVKSRMQRQGNVSCSVWHEALNHYQORSLSJSPGK 232
 Db 181 PVLDGSFPLYSLTVKSRMQRQGNVSCSVWHEALNHYQORSLSJSPGK 232
 ; PRIORITY FILING DATE: 2000-05-19
 ; PRIORITY APPLICATION NUMBER: US 60/134,895
 ; PRIORITY FILING DATE: 1999-05-19
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO: 4
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-953-259-4

SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4;

US-10-313-135-4

Query Match Similarity 95.3%; Score 1201; DB 14; length 232;
Best Local Similarity 94.4%; Pred. No. 4.4e-88;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
Qy 1 EPKSCDKTHCPGPAPELGGSVELPPKPCDTMSRTEVTCVVWDISHEDDEVKF
Db 1 EPRSCDKTHCPGCPAPELLGGPSVFLPPKPCDTMSRTEVTCVVWDISHEDDEVKF 60
Qy 61 NWYTDGVETENVKKQPREEQNSTYRVVSLVLUHQWMMNGKEYKCKVSNALPAIETK
Db 61 NWYTDGVETENVKKQPREEQNSTYRVVSLVLUHQWMMNGKEYKCKVSNALPAIETK 120
Qy 121 ISKAKVQPREQVTLPSRDELTKNOVSITLVLKGYPGSPSIAVENESNGCOPENNYKTP
Db 121 ISKAKGQPREQVTLPSRDELTKNOVSITLVLKGYPGSPSIAVENESNGCOPENNYKTP 180
Qy 181 PVLDSVGPFPLVSKLTWKSRRQGQNVFSCSYNHEALHNHQQLSLSGK
Db 181 PVLDSGSPFPLVSKLTWKSRRQGQNVFSCSYNHEALHNHQQLSLSGK 232

RESULT 15

US-10-879-994-8

Sequence 8, Application US-1087994
Publication No. US20050032175A1
GENERAL INFORMATION:
APPLICANT: Stahl, Neil
APPLICANT: Yancopoulos, George D.
APPLICANT: Karow, Margaret
APPLICANT: Smith, Eric
TITLE OF INVENTION: HIGH AFFINITY FUSION PROTEINS AND THERAPEUTIC AND DIAGNOSTIC METHODS
TITLE OF INVENTION: USE
FILE REFERENCE: REG 203E2
CURRENT APPLICATION NUMBER: US10/879,994
CURRENT FILING DATE: 2004-06-29
PRIOR APPLICATION NUMBER: 10/610,452
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 112
SOFTWARE: FastSEQ For Windows Version 4.0
SEQ ID NO: 8
LENGTH: 229
TYPE: PRT
ORGANISM: homo sapiens

Query Match Similarity 94.9%; Score 1196; DB 17; Length 229;
Best Local Similarity 96.5%; Pred. No. 1e-87;
Matches 221; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 4 SCDKHTCPGCPAPELLGGPSVFLPPKPCDTMSRTEVTCVVWDISHEDDEVKF
Db 1 SGDKHTCPGCPAPELLGGPSVFLPPKPCDTMSRTEVTCVVWDISHEDDEVKF 63
Qy 64 DGEVEVHVKTKREREQNSTYRVVSLVLUHQWMMNGKEYKCKVSNALPAIETK
Db 61 VDGSEVHVKTKREREQNSTYRVVSLVLUHQWMMNGKEYKCKVSNALPAIETK 123
Qy 124 AKVQPREQVTLPSRDELTKNOVSITLVLKGYPGSPSIAVENESNGCOPENNYKTP
Db 121 AKGQPREQVTLPSRDELTKNOVSITLVLKGYPGSPSIAVENESNGCOPENNYKTP 183
Qy 184 DSGSPFPLVSKLTWKSRRQGQNVFSCSYNHEALHNHQQLSLSGK 180
Db 181 DSDGSFPLVSKLTWKSRRQGQNVFSCSYNHEALHNHQQLSLSGK 229

Search completed: March 14, 2005, 11:00:28
Job time : 137 secs

GenCore version 5.1.6
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Om protein - protein search, using sw model
Run on: March 14, 2005, 10:48:29 ; Search time 42 Seconds
(without alignments)

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Title:

Perfect score: US-09-847-208B-3

Sequence: 1 EPKSCDKHTCPPCPAPELL.....MHEALHNHYQQRSLSLSPGK 232

412.347 Million cell updates/sec

11.183

93.9

232

4

US-09-466-498-8

29

93.9

232

4

US-09-871-856-8

30

93.9

232

4

US-09-877-650-8

31

93.9

232

4

US-09-845-363-8

32

93.9

232

4

US-09-688-455-8

33

93.9

232

4

US-09-483-589-4

34

90.0

218

4

US-09-433-588-3

35

89.5

218

4

US-08-430-633-4

36

89.2

212

2

US-08-630-694-A-4

37

89.2

212

2

US-08-936-854-4

38

89.2

212

2

US-09-022-255-4

39

89.2

212

3

US-09-022-698-4

40

89.2

212

3

US-09-022-254-4

41

89.2

212

3

US-09-022-260-4

42

89.2

212

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US-09-022-259-4

43

89.2

212

3

US-09-022-257-4

44

89.2

212

3

US-09-519-677-4

45

89.2

212

4

US-09-519-677-4

Searched: 513545 seqs, 74649064 residues
Total number of hits satisfying chosen parameters: 406306

Minimum DB seq length: 0

Maximum DB seq length: 232

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/liaa/5A_COMBO_PEP: *
2: /cgn2_6/ptodata/1/liaa/5B_COMBO_PEP: *
3: /cgn2_6/ptodata/1/liaa/6A_COMBO_PEP: *
4: /cgn2_6/ptodata/1/liaa/6B_COMBO_PEP: *
5: /cgn2_6/ptodata/1/liaa/PCTUS_COMBO_PEP: *
6: /cgn2_6/ptodata/1/liaa/backtitled1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1225	97.2	232	2	US-08-595-043A-50
2	1225	97.2	232	4	Sequence 50, Appli
3	1201	95.3	232	1	Sequence 26, Appli
4	1201	95.3	232	1	US-07-797-556-4
5	1201	95.3	232	1	US-08-228-989-4
6	1201	95.3	232	1	US-08-570-923-4
7	1201	95.3	232	1	US-08-580-018-4
8	1201	95.3	232	1	US-08-308-881-4
9	1201	95.3	232	2	US-09-088-263-4
10	1201	95.3	232	3	US-09-058-264-4
11	1201	95.3	232	3	US-09-079-785-4
12	1201	95.3	232	4	US-09-455-967-4
13	1201	95.3	232	4	US-09-628-126-4
14	1201	95.3	232	5	PCT-US-095-06530-4
15	1201	95.3	232	5	PCT-US-95-15781-8
16	1195	94.8	228	4	US-09-428-082B-2
17	1195	94.8	228	4	US-09-841-249A-2
18	1195	94.8	228	4	US-09-840-669A-2
19	1195	94.8	228	4	US-09-843-221A-2
20	1195	94.8	228	4	US-09-703-704A-2
21	1195	94.8	228	4	US-09-422-838C-5
22	1195	94.8	228	4	US-09-122-142-2
23	1183	93.9	232	3	US-08-998-139-8
24	1183	93.9	232	3	US-08-998-659-8
25	1183	93.9	232	3	US-09-215-619A-8
26	1183	93.9	232	4	US-09-577-780-8
27	1183	93.9	232	4	US-09-577-800-8

ALIGNMENTS

RESULT 1
US-08-595-043A-50

Sequence 50, Appli
Patent No. 593824

GENERAL INFORMATION:
APPLICANT: SGARATO, GREGORY D.

TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM

NUMBER OF SEQUENCES: 90

CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

ZIP: 94104

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/595,043A

FILING DATE: 31-JAN-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: SGAR-00371

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8810

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 50:

SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-595-043A-50

Query Match

Best Local Similarity 97.0% ; Pred. No. 3 6e-116;

Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Sequence 2, Appli

Sequence 3, Appli

Sequence 4, Appli

Sequence 5, Appli

Sequence 6, Appli

Sequence 7, Appli

Sequence 8, Appli

QY

1 EPKSCDKHTCPPCPAPELLGGPSVFLPPKEDTLMISRTEVTCVWDVDSHEDPEVKF 60

Db 1 EPKSCDKHTCPPCPAPELLGGPSVFLPPKEDTLMISRTEVTCVWDVDSHEDPEVKF 60

QY 61 NWYVGVVHNVKTKPREQVNSTYRVSULVTLHQMWNGKEYCKVSNKALPAPKET 120

61 NWYVGVVHNVKTKPREQVNSTYRVSULVTLHQMWNGKEYCKVSNKALPAPKET 120

FILING DATE: 01-JUL-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 899,660
 FILING DATE: 15 JUN 1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 892,459
 FILING DATE: 02-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 889,717
 FILING DATE: 26-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2804-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-225-939-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114; Mismatches 6; Indels 0; Gaps 0;
 Matches 219; Conservative 7; Name: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2804-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-225-939-4

RESULT 5
 US-08-570-923-4
 ; Sequence 4, Application US/08570923
 ; Patient No. 5677430
 ; GENERAL INFORMATION:
 ; APPLICANT: Goodwin, Raymond G.
 ; APPLICANT: Smith, Craig A.
 ; APPLICANT: Armitage, Richard J.
 ; APPLICANT: Gruse, Hans-Jurgen
 ; APPLICANT: Gruse, Hans-Jurgen
 ; NUMBER OF SEQUENCES: 23
 ; TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kathryn A. Seese, Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA
 ; ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 SOFTWARE: Microsoft Word, Version 5.1a
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/570,923
 FILING DATE: 12-DEC-1995

CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/225,989
 FILING DATE: 12 APRIL 1994
 APPLICATION NUMBER: US 907,224
 FILING DATE: 01-JUL-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 892,459
 FILING DATE: 27-OCT-1992
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 907,224
 FILING DATE: 01-JUL-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 889,660
 FILING DATE: 15-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 892,459
 FILING DATE: 26-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2804-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-570-923-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114; Mismatches 6; Indels 0; Gaps 0;
 Matches 219; Conservative 7; Name: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2804-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-570-923-4

RESULT 6
 US-08-580-014-4
 ; Sequence 4, Application US/08580014
 ; Patient No. 575303
 ; GENERAL INFORMATION:
 ; APPLICANT: Goodwin, Raymond G.
 ; APPLICANT: Smith, Craig A.
 ; APPLICANT: Armitage, Richard J.
 ; APPLICANT: Gruse, Hans-Jurgen
 ; NUMBER OF SEQUENCES: 23
 ; TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kathryn A. Seese, Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA

ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 SOFTWARE: Microsoft Word, Version 5.1a
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/580,014
 FILING DATE: 12-APRIL-1994
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/225,989
 FILING DATE: 20-DEC-1995
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 907,224
 FILING DATE: 01-JUL-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 899,660
 FILING DATE: 15-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 892,459
 FILING DATE: 02-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 889,717
 FILING DATE: 26-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2614-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-580-014-4
 Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
 Qy 1 EPKSCDKTHCCPCCPAPELIGGSPVLFPPKPKDTLMISRTPTVTCVWVDSHEDPEVKF 60
 Db 1 EPRSDQKTHCCPCCPAPELIGGSPVLFPPKPKDTLMISRTPTVTCVWVDSHEDPEVKF 60
 Qy 61 NWYVGVETVNVKTPREEQNSYRVSVLTILHQWMMNGKEYKCKVSKNKLAPLEKT 120
 Db 61 NWYVGVETVNVKTPREEQNSYRVSVLTILHQWMMNGKEYKCKVSKNKLAPLEKT 120
 Qy 61 NWYVGVETVNVKTPREEQNSYRVSVLTILHQWMMNGKEYKCKVSKNKLAPWQKT 120
 Db 61 NWYVGVETVNVKTPREEQNSYRVSVLTILHQWMMNGKEYKCKVSKNKLAPWQKT 120
 Qy 121 ISKAKVQPREPQVTLPSRDELTKNOVSLTCLVKGVYPSDIAVEMSGOPENNYKTP 180
 Db 121 ISKAKQPREPQVTLPPSRDELTKNOVSLTCLVKGVYPRHTAVEMSGOPENNYKTP 180
 Qy 181 PVLDVGSGFLYSLKLTUDKSRMQRQGNFSCSVNHEALHNHQRSLSISPK 232
 Db 181 PVLDSDGSFLYSLKLTUDKSRMQRQGNFSCSVNHEALHNHQRSLSISPK 232
 RESULT 7
 US-08-308-881-4
 Sequence 4, Application US/0830881
 Patent No. 5733672
 GENERAL INFORMATION:
 APPLICANT: Mosley, Bruce
 APPLICANT: Cosman, David J.
 TITLE OF INVENTION: Receptor for Oncostatin M
 ZIP: 98101
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 SOFTWARE: Microsoft Word, Version 5.1a
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/308,881
 FILING DATE: 12-SEP-1994
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/249,553
 FILING DATE: 26-MAY-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2614-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-308-881-4
 Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
 Qy 1 EPKSCDKTHCCPCCPAPELIGGSPVLFPPKPKDTLMISRTPTVTCVWVDSHEDPEVKF 60
 Db 1 EPRSDQKTHCCPCCPAPELIGGSPVLFPPKPKDTLMISRTPTVTCVWVDSHEDPEVKF 60
 Qy 61 NWYVGVETVNVKTPREEQNSYRVSVLTILHQWMMNGKEYKCKVSKNKLAPLEKT 120
 Db 61 NWYVGVETVNVKTPREEQNSYRVSVLTILHQWMMNGKEYKCKVSKNKLAPLEKT 120
 Qy 121 ISKAKVQPREPQVTLPSRDELTKNOVSLTCLVKGVYPSDIAVEMSGOPENNYKTP 180
 Db 121 ISKAKQPREPQVTLPPSRDELTKNOVSLTCLVKGVYPRHTAVEMSGOPENNYKTP 180
 Qy 181 PVLDVGSGFLYSLKLTUDKSRMQRQGNFSCSVNHEALHNHQRSLSISPK 232
 Db 181 PVLDSDGSFLYSLKLTUDKSRMQRQGNFSCSVNHEALHNHQRSLSISPK 232
 RESULT 8
 US-09-058-263-4
 Sequence 4, Application US/09058263
 Patent No. 5891997
 GENERAL INFORMATION:
 APPLICANT: Mosley, Bruce
 APPLICANT: Cosman, David J.
 TITLE OF INVENTION: Receptor for Oncostatin M
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101

COMPUTER READABLE FORM:
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 CURRENT APPLICATION DATA: US/09/058, 263
 APPLICATION NUMBER: US/09/058, 263
 FILING DATE: 26-MAY-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/308, 881
 FILING DATE: 12-SEP-1994
 APPLICATION NUMBER: US 08/249, 553
 FILING DATE: 26-MAY-1994

ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32, 172
 REFERENCE/DOCKET NUMBER: 2614-A

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 75822

SEQUENCE INFORMATION FOR SEQ ID NO: 4:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 LENGTH: 232 amino acids
 TYPE: protein
 MOLECULE TYPE: protein

US-09-059-059-4

Query Match 95.3%; Score 1201; DB 2; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114; Indels 0; Gaps 0;
 Matches 219; Conservative 7; Mismatches 6; Db 0; Qy 0;

1 EPKSCDKTHCPCPAPBLGGPSVLFPPKPKDTLMISRTPVTCVWVDSHEDPEVKEF 60
 1 EPRSCDKTHCPCPAPBLGGPSVLFPPKPKDTLMISRTPVTCVWVDSHEDPEVKEF 60

61 NWYVGDGVEVHNVKTPREEQYSTYRVSUTLVHONMNGKEYKCKVSNKALPAPMKT 120
 61 NWYVGDGVEVHNVKTPREEQYSTYRVSUTLVHONMNGKEYKCKVSNKALPAPMKT 120

61 NWYVGDGVEVHNVKTPREEQYSTYRVSUTLVHONMNGKEYKCKVSNKALPAPMKT 120
 61 NWYVGDGVEVHNVKTPREEQYSTYRVSUTLVHONMNGKEYKCKVSNKALPAPMKT 120

121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180
 121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180

121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180
 121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180

181 PVLDVGSGFPLYSKLTVDKSRWQGNVFSCSVHRLHHYQRSLSLSGK 232
 181 PVLDVGSGFPLYSKLTVDKSRWQGNVFSCSVHRLHHYQRSLSLSGK 232

RESULT 10
 US-09-058-264-4
 ; Sequence 4; Application US/09058264
 ; Patent No. 6010886

GENERAL INFORMATION:
 APPLICANT: Mosley, Bruce
 APPLICANT: Cosman, David J.
 TITLE OF INVENTION: Receptor for Oncostatin M

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 SOFTWARE: Microsoft Word, Version 5.1a

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/058, 264
 FILING DATE: 12-SEP-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/308, 881

APPLICATION NUMBER: US/08/308, 881
 FILING DATE: 12-SEP-1994

ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32, 172
 REFERENCE/DOCKET NUMBER: 2614-A

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 75822

SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 LENGTH: 232 amino acids
 TYPE: protein
 MOLECULE TYPE: protein

US-09-059-059-4

Query Match 95.3%; Score 1201; DB 2; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114; Indels 0; Gaps 0;
 Matches 219; Conservative 7; Mismatches 6; Db 0; Qy 0;

1 EPKSCDKTHCPCPAPBLGGPSVLFPPKPKDTLMISRTPVTCVWVDSHEDPEVKEF 60
 1 EPRSCDKTHCPCPAPBLGGPSVLFPPKPKDTLMISRTPVTCVWVDSHEDPEVKEF 60

61 NWYVGDGVEVHNVKTPREEQYSTYRVSUTLVHONMNGKEYKCKVSNKALPAPMKT 120
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 61 NWYVGDGVEVHNVKTPREEQYSTYRVSUTLVHONMNGKEYKCKVSNKALPAPMKT 120

121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180
 121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180

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 121 ISKAKVOPREPOVYIPLPSRDELTKNOVSITCLVKGFYPSDIAVWESNGOPENNYKTP 180

181 PVLDVGSGFPLYSKLTVDKSRWQGNVFSCSVHRLHHYQRSLSLSGK 232
 181 PVLDVGSGFPLYSKLTVDKSRWQGNVFSCSVHRLHHYQRSLSLSGK 232

APPLICATION NUMBER: US 08/308, 881
 FILING DATE: 09-SEP-1994
 APPLICATION NUMBER: US 08/249, 553
 FILING DATE: 26-MAY-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Anderson, Kathryn A.
 REGISTRATION NUMBER: 32, 172
 REFERENCE/DOCKET NUMBER: 2614-WO
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 233-0644
 TELEFAX: (206) 587-0430
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TOPOLogy: linear
 MOLECULE TYPE: protein
 PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-14;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
 QY 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTMISRPETVCPWVVDPSHDEPVKF 60
 Db 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTMISRPETVCPWVVDPSHDEPVKF 60
 QY 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQDWNGKVKCKVSNKALAPIKT 120
 Db 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQDWNGKVKCKVSNKALAPIKT 120
 QY 121 ISKAKVQPREQVYILPPSRDELTKQVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180
 Db 121 ISKAKVQPREQVYILPPSRDELTKQVSITCLVKGFYPRHIAVEWESNGOPENNYKTP 180
 QY 181 PVLDSGSFEFLYSKLUVDKSKWQQNVFCSVMHEALHNYTQKSLSLSPGK 232
 Db 181 PVLDSGSFEFLYSKLUVDKSKWQQNVFCSVMHEALHNYTQKSLSLSPGK 232

RESULT 15
 PCT-US95-15781-8
 Sequence 8, Application PC/TUSS515781
 GENERAL INFORMATION:
 APPLICANT: Carretti, Douglas P.
 TITLE OF INVENTION: Cytokine Designated lerk-7
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: System 7.1
 SOFTWARE: Patent System Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/15781
 FILING DATE: 05-DEC-1995
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/351, 025
 FILING DATE: 06-DEC-1994
 CLASSIFICATION:
 APPLICATION NUMBER: US 08/396, 946
 FILING DATE: 01-MAR-1995
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Anderson, Kathryn A.

REGISTRATION NUMBER: 32, 172
 REFERENCE/DOCKET NUMBER: 2829-WO
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLogy: linear
 MOLECULE TYPE: protein
 PCT-US95-15781-8

Query Match 95.3%; Score 1201; DB 5; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-14;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
 QY 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTMISRPETVCPWVVDPSHDEPVKF 60
 Db 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTMISRPETVCPWVVDPSHDEPVKF 60
 QY 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQDWNGKVKCKVSNKALAPIKT 120
 Db 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQDWNGKVKCKVSNKALAPIKT 120
 QY 121 ISKAKVQPREQVYILPPSRDELTKQVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180
 Db 121 ISKAKVQPREQVYILPPSRDELTKQVSITCLVKGFYPRHIAVEWESNGOPENNYKTP 180
 QY 181 PVLDSGSFEFLYSKLUVDKSKWQQNVFCSVMHEALHNYTQKSLSLSPGK 232
 Db 181 PVLDSGSFEFLYSKLUVDKSKWQQNVFCSVMHEALHNYTQKSLSLSPGK 232

Search completed: March 14, 2005, 10:49:21
 Job time : 44 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model
 Run on: March 14, 2005, 10:58:09 ; Search time 137 Seconds
 Sequence: (without alignments)
 770.441 Million cell updates/sec

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FPPPTVVKLQSSCDGGGHFP.....HEAASPSSQTQRAVSVNPGK 320

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1396920 Beq8, 329844858 residues

Total number of hits satisfying chosen parameters: 1025334

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA.*

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3: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

4: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

5: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*

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17: /cgn2_6/ptodata/2/pubpaa/US10_EU_PUBCOMB.pep:*

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19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB_PEP:*

20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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14	554	32.5	129	14	US-10-152-190-6
15	551	32.3	108	14	US-10-152-190-8
16	526	30.8	128	14	US-10-152-190-7
17	523	30.6	115	14	US-10-152-190-3
18	513.5	30.1	117	14	US-10-152-190-2
19	416.5	24.4	120	9	US-09-797-481-8
20	415	24.3	310	16	US-10-654-109-75
21	392	23.0	234	14	US-10-232-418-33
22	384	22.5	71	14	US-10-214-524-43
23	373.5	21.9	114	14	US-10-152-190-1
24	362	21.2	251	14	US-10-152-362A-31
25	352	21.2	251	14	US-10-152-362A-33
26	360	21.1	232	14	US-10-088-63-28
27	360	21.1	232	14	US-10-088-63-28
28	358	21.0	251	14	US-10-152-363A-31
29	358	21.0	251	14	US-10-152-363A-39
30	358	21.0	251	14	US-10-152-363A-39
31	357	20.9	250	14	US-10-152-363A-35
32	357	20.9	252	14	US-10-145-206-118
33	36.5	20.9	293	14	US-10-145-206-123
34	356	20.9	228	15	US-10-466-593-3
35	356	20.9	228	16	US-10-761-593A-27
36	356	20.9	235	9	US-09-784-623-6
37	356	20.9	247	15	US-10-659-217-12
38	356	20.9	247	15	US-10-652-388-12
39	356	20.9	247	15	US-10-651-723-12
40	356	20.9	247	15	US-10-651-723-12
41	356	20.9	247	15	US-10-656-696-12
42	356	20.9	247	15	US-10-653-048-12
43	356	20.9	269	15	US-10-652-389-10
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ALIGNMENTS

RESULT 1	US-09-847-208-6
US-09-847-208-6	
; Sequence 6, Application US/09847208	
; Publication No. US20030082190A1	
; GENERAL INFORMATION:	
; APPLICANT: Saxon, Andrew	
; APPLICANT: Zhang, Ke	
; TITLE OR INVENTION: FUSION MOLECULES AND TREATMENT OF	
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES	
; FILE REFERENCE: UG67-002A	
; CURRENT APPLICATION NUMBER: US/09-847, 208	
; CURRENT FILING DATE: 2001-05-01	
; NUMBER OF SEQ ID NOS: 177	
; SOFTWARE: FastSEQ for Windows Version 4.0	
; SEQ ID NO: 6	
; LENGTH: 320	
; TYPE: PRT	
; ORGANISM: Homo sapiens	
; US-09-847-208-6	
Query Match Similarity 100.0%; Score 1707; DB 10; Length 320;	
Best Local Similarity 100.0%; Pred. No. 1; e-127; Mismatches 0; Indels 0; Gaps 0;	
Matches 320; Conservative 0; Sequence 5, Appli	
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QY 181 RDWIEGETVQCRVTHPLRALKMSTTKSGPRAPEVYAFAPENPGSRDKRTLACIQ 240
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 ; CURRENT APPLICATION NUMBER: US/10/704,406
 ; CURRENT FILING DATE: 2003-11-07
 ; PRIOR APPLICATION NUMBER: 09/809,746
 ; PRIOR FILING DATE: 2003-06-12
 QY 241 NFMPEPDISVQWLHNEVQDARISTTQRKTKSGSFVFSRLEVRAEWEQKDEFICRAV 300
 Db 241 NFMPEPDISVQWLHNEVQDARISTTQRKTKSGSFVFSRLEVRAEWEQKDEFICRAV 300
 ; PRIOR APPLICATION NUMBER: 60/234,877
 ; PRIOR FILING DATE: 2000-09-22
 ; PRIOR APPLICATION NUMBER: 60/189,403
 ; PRIOR FILING DATE: 2000-03-15
 QY 301 HEASAPSOVQRAVSVNPK 320
 Db 301 HEASAPSOVQRAVSVNPK 320
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 3
 ; LENGTH: 220
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-000-439-6
 ; Sequence 6, Application US/10000439
 ; Publication No. US20030064063A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Saxon, Andrew
 ; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
 ; TREATMENT OF IMMUNE DISEASES
 ; FILE REFERENCE: UC067_004A
 ; CURRENT APPLICATION NUMBER: US/10/000,439
 ; CURRENT FILING DATE: 2001-10-24
 ; PRIOR APPLICATION NUMBER: US 09/847,208
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 6
 ; LENGTH: 320
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-000-439-6

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 Best Local Similarity 100.0%; Pred. No. 1.9e-127; Matches 320; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPPPTVKIQLSSCDGGHRRPTIOLCIVSGYPTGINTNWLQDQVMDVDISTASQE 60
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 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
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 Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSNPRGVASATLRSRSPFDLIRKSPTITLCLVUDLAPSKGTVNLTWSRASGKPNHSTR 160
 Db 1 CADSNPRGVASATLRSRSPFDLIRKSPTITLCLVUDLAPSKGTVNLTWSRASGKPNHSTR 160
 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0

Query Match 68.3%; Score 1171; DB 16; Length 220;
 Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 161 KERKQRGTLTVSTLPGVIRDWIGETVQCRVTHPLRALKMSTTKSGPRAPEVY 220
 Db 61 KERKQRGTLTVSTLPGVIRDWIGETVQCRVTHPLRALKMSTTKSGPRAPEVY 120
 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0

Query Match 68.3%; Score 1171; DB 16; Length 220;
 Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 PATPENGRSRKRTLACIQNFMPEPDISVQWLHNEVQDARISTTQRKTKSGSFVFS 280
 Db 121 PATPENGRSRKRTLACIQNFMPEPDISVQWLHNEVQDARISTTQRKTKSGSFVFS 180
 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0

Query Match 68.3%; Score 1171; DB 16; Length 220;
 Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 281 RLEVTRAEWEQKDEFICRAVHEASAPSOVQRAVSVNPK 320
 Db 181 RLEVTRAEWEQKDEFICRAVHEASAPSOVQRAVSVNPK 220
 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0

Query Match 67.8%; Score 1158; DB 9; Length 222;
 Best Local Similarity 100.0%; Pred. No. 5e-84; Matches 218; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 103 DSNPRGVASAVLRSRSPFDLIRKSPTITLCLVUDLAPSKGTVNLTWSRASGKPNHSTR 162
 Db 5 DSNPRGVASAVLRSRSPFDLIRKSPTITLCLVUDLAPSKGTVNLTWSRASGKPNHSTR 64
 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0

Query Match 67.8%; Score 1158; DB 9; Length 222;
 Best Local Similarity 100.0%; Pred. No. 5e-84; Matches 218; Conservat 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 EKQRGTLTVSTLPGVIRDWIGETVQCRVTHPLRALKMSTTKSGPRAPEVYFA 222
 Db 65 EKQRGTLTVSTLPGVIRDWIGETVQCRVTHPLRALKMSTTKSGPRAPEVYFA 124
 ; CURRENT APPLICATION NUMBER: US/10000439-6
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0

RESULT 3
 US-10-704-406-3
 ; Sequence 3, Application US/10704406
 ; Publication No. US2004013356A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardetzky, Theodore S.
 ; APPLICANT: Wurzburg, Ruth A.
 ; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE
 ; TITLE OF INVENTION: USES THEREOF

Db 217 HEAASPSQTQRAVSVNPGK 236

RESULT 8

; Sequence 4, Application US/10152190
; Publication No. US20030096369A1

; GENERAL INFORMATION:

; APPLICANT: Morsey, Mohamad A.

; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines

; FILE REFERENCE: PCT/1101A

; CURRENT APPLICATION NUMBER: US/10/152,190

; CURRENT FILING DATE: 2002-05-21

; NUMBER OF SEQ ID NOS: 28

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 4

; LENGTH: 115

; TYPE: PRT

; ORGANISM: Human CH3

; US-10-152-190-4

Query Match 35.3%; Score 602; DB 14; Length 115;
Best Local Similarity 99.1%; Pred. No. 3.4e-40;
Matches 114; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 102 ADSNPRGVASVLSRSPFDLIRKSPKTTICVNDLAPSKGTVNLTVWSRASGKPVNHSRK 161

Db 1 ADSNPRGVASVLSRSPFDLIRKSPKTTICVNDLAPSKGTVNLTVWSRASGKPVNHSRK 60

Qy 162 BEKQRNGLTITSTLPGVTRDNLIEGETYQCRVTHPLPRLAMSTTKSGPRAP 216

Db 61 BEKQRNGLTITSTLPGVTRDNLIEGETYQCRVTHPLPRLAMSTTKSGPRAP 115

RESULT 9
US-10-214-524-41

; Sequence 41, Application US/10314524
; Publication No. US20030073142A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Swei-Shen Alex

; APPLICANT: Yang, Yong-Min

; APPLICANT: Barankiewicz, Theresa J.

; APPLICANT: Chen, Zhong

; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF

; FILE REFERENCE: IGE-00101.P-1.1

; CURRENT APPLICATION NUMBER: US/10/214,524

; CURRENT FILING DATE: 2002-08-08

; PRIOR APPLICATION NUMBER: 60/312,120

; PRIOR FILING DATE: 2001-08-13

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 41

; LENGTH: 109

; TYPE: PRT

; ORGANISM: Human (Homo sapiens)

; US-10-214-524-41

RESULT 9
US-10-214-524-41

; Sequence 41, Application US/10314524
; Publication No. US20030073142A1

; GENERAL INFORMATION:

; APPLICANT: Jardieu, Paula M.

; APPLICANT: Presta, Leonard G.

; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)

; FILE REFERENCE: P018P2C0US

; CURRENT APPLICATION NUMBER: US/09/802,077

; CURRENT FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: US 08/405,617

; PRIOR FILING DATE: 1995-03-15

; PRIOR APPLICATION NUMBER: US 08/185,899

; PRIOR FILING DATE: 1994-01-26

; PRIOR APPLICATION NUMBER: PCT/US92/06860

; PRIOR FILING DATE: 1992-08-14

; PRIOR APPLICATION NUMBER: US 07/679,495

; PRIOR FILING DATE: 1992-05-07

; PRIOR APPLICATION NUMBER: US 07/744,768

; PRIOR FILING DATE: 1991-08-14

; NUMBER OF SEQ ID NOS: 64

; SEQ ID NO 1

; LENGTH: 109

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-802-077-1

RESULT 10
US-10-214-524-41

; Sequence 42, Application US/0214524

; Publication No. US20030073142A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Swei-Shen Alex

; APPLICANT: Yang, Yong-Min

; APPLICANT: Barankiewicz, Theresa J.

; APPLICANT: Chen, Zhong

; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF

; FILE REFERENCE: IGE-00101.P-1.1

; CURRENT APPLICATION NUMBER: US/10/214,524

; CURRENT FILING DATE: 2002-08-08

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 42

; LENGTH: 107

; TYPE: PRT

; ORGANISM: Human (Homo sapiens)

; US-10-214-524-42

RESULT 11
US-09-802-077-1

; Sequence 1, Application US/09802077

; Patent No. US2001003842A1

; GENERAL INFORMATION:

; APPLICANT: Jardieu, Paula M.

; APPLICANT: Presta, Leonard G.

; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)

; CURRENT APPLICATION NUMBER: US/09/802,077

; CURRENT FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: US 08/405,617

; PRIOR FILING DATE: 1995-03-15

; PRIOR APPLICATION NUMBER: US 08/185,899

; PRIOR FILING DATE: 1994-01-26

; PRIOR APPLICATION NUMBER: PCT/US92/06860

; PRIOR FILING DATE: 1992-08-14

; PRIOR APPLICATION NUMBER: US 07/679,495

; PRIOR FILING DATE: 1992-05-07

; PRIOR APPLICATION NUMBER: US 07/744,768

; PRIOR FILING DATE: 1991-08-14

; NUMBER OF SEQ ID NOS: 64

; SEQ ID NO 1

; LENGTH: 109

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-802-077-1

RESULT 12
US-10-214-524-42

; Sequence 12, Application US/0214524

; Publication No. US20030073142A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Swei-Shen Alex

; APPLICANT: Yang, Yong-Min

; APPLICANT: Barankiewicz, Theresa J.

; APPLICANT: Chen, Zhong

; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF

; FILE REFERENCE: IGE-00101.P-1.1

; CURRENT APPLICATION NUMBER: US/10/214,524

; CURRENT FILING DATE: 2002-08-08

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 42

; LENGTH: 107

; TYPE: PRT

; ORGANISM: Human (Homo sapiens)

; US-10-214-524-42

RESULT 13
US-09-802-077-1

; Sequence 13, Application US/09802077

; Patent No. US2001003842A1

; GENERAL INFORMATION:

; APPLICANT: Jardieu, Paula M.

; APPLICANT: Presta, Leonard G.

; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)

; CURRENT APPLICATION NUMBER: US/09/802,077

; CURRENT FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: US 08/405,617

; PRIOR FILING DATE: 1995-03-15

; PRIOR APPLICATION NUMBER: US 08/185,899

; PRIOR FILING DATE: 1994-01-26

; PRIOR APPLICATION NUMBER: PCT/US92/06860

; PRIOR FILING DATE: 1992-08-14

; PRIOR APPLICATION NUMBER: US 07/679,495

; PRIOR FILING DATE: 1992-05-07

; PRIOR APPLICATION NUMBER: US 07/744,768

; PRIOR FILING DATE: 1991-08-14

; NUMBER OF SEQ ID NOS: 64

; SEQ ID NO 1

; LENGTH: 109

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-802-077-1

RESULT 14
US-10-214-524-42

; Sequence 14, Application US/0214524

; Publication No. US20030073142A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Swei-Shen Alex

; APPLICANT: Yang, Yong-Min

; APPLICANT: Barankiewicz, Theresa J.

; APPLICANT: Chen, Zhong

; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF

; FILE REFERENCE: IGE-00101.P-1.1

; CURRENT APPLICATION NUMBER: US/10/214,524

; CURRENT FILING DATE: 2002-08-08

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 42

; LENGTH: 107

; TYPE: PRT

; ORGANISM: Human (Homo sapiens)

; US-10-214-524-42

RESULT 15
US-09-802-077-1

; Sequence 15, Application US/09802077

; Patent No. US2001003842A1

; GENERAL INFORMATION:

; APPLICANT: Jardieu, Paula M.

; APPLICANT: Presta, Leonard G.

; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)

; CURRENT APPLICATION NUMBER: US/09/802,077

; CURRENT FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: US 08/405,617

; PRIOR FILING DATE: 1995-03-15

; PRIOR APPLICATION NUMBER: US 08/185,899

; PRIOR FILING DATE: 1994-01-26

; PRIOR APPLICATION NUMBER: PCT/US92/06860

; PRIOR FILING DATE: 1992-08-14

; PRIOR APPLICATION NUMBER: US 07/679,495

; PRIOR FILING DATE: 1992-05-07

; PRIOR APPLICATION NUMBER: US 07/744,768

; PRIOR FILING DATE: 1991-08-14

; NUMBER OF SEQ ID NOS: 64

; SEQ ID NO 1

; LENGTH: 109

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-802-077-1

RESULT 16
US-10-214-524-42

; Sequence 16, Application US/0214524

; Publication No. US20030073142A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Swei-Shen Alex

; APPLICANT: Yang, Yong-Min

; APPLICANT: Barankiewicz, Theresa J.

; APPLICANT: Chen, Zhong

; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF

; FILE REFERENCE: IGE-00101.P-1.1

; CURRENT APPLICATION NUMBER: US/10/214,524

; CURRENT FILING DATE: 2002-08-08

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 42

; LENGTH: 107

; TYPE: PRT

; ORGANISM: Human (Homo sapiens)

; US-10-214-524-42

RESULT 12
 US-09-802-096-1
 Sequence 1, Application US/09802096
 ; Pat. No. US20010038839A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
 ; FILE REFERENCE: P0718P2C3US
 ; CURRENT APPLICATION NUMBER: US/09/802,096
 ; CURRENT FILING DATE: 2001-03-09
 ; PRIOR APPLICATION NUMBER: US 08/405,617
 ; PRIOR FILING DATE: 1991-03-15
 ; PRIOR APPLICATION NUMBER: US 08/185,899
 ; PRIOR FILING DATE: 1994-01-26
 ; PRIOR APPLICATION NUMBER: PCT/US92/06860
 ; PRIOR FILING DATE: 1992-08-14
 ; PRIOR APPLICATION NUMBER: US 07/879,495
 ; PRIOR FILING DATE: 1993-05-07
 ; PRIOR APPLICATION NUMBER: US 07/744,768
 ; PRIOR FILING DATE: 1991-08-14
 ; NUMBER OF SEQ ID NOS: 64
 ; SEQ ID NO 1
 ; LENGTH: 109
 ; ORGANISM: Homo sapiens
 ; US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;
 Best Local Similarity 99.1%; Pred. No. 2.1e-37; Matches 109; Conserv. 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRKE 162
 Db 153 EKORNGTILTVTSLPVGTRDWIEGETYQCRVTHPHPLRAMLRSSTKSGP 212
 Qy 61 EKORNGTILTVTSLPVGTRDWIEGETYQCRVTHPHPLRAMLRSSTKSGP 109

RESULT 13
 US-09-925-179-1
 ; Sequence 1, Application US/09925179
 ; Publication No. US20030044858A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Anti-IgE Antibodies (as amended)
 ; FILE REFERENCE: P0718P2C1D1US
 ; CURRENT APPLICATION NUMBER: US/09/925,179
 ; CURRENT FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 08/466,163
 ; PRIOR FILING DATE: 1995-06-06
 ; PRIOR APPLICATION NUMBER: US 08/405,617
 ; PRIOR FILING DATE: 1995-03-15
 ; PRIOR APPLICATION NUMBER: US 08/185,899
 ; PRIOR FILING DATE: 1994-01-26
 ; PRIOR APPLICATION NUMBER: PCT/US92/06860
 ; PRIOR FILING DATE: 1992-08-14
 ; PRIOR APPLICATION NUMBER: US 07/879,495
 ; PRIOR FILING DATE: 1992-05-07
 ; PRIOR APPLICATION NUMBER: US 07/744,768
 ; PRIOR FILING DATE: 1991-08-14
 ; NUMBER OF SEQ ID NOS: 68
 ; SEQ ID NO 1
 ; LENGTH: 109
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-925-179-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;
 Best Local Similarity 99.1%; Pred. No. 2.1e-37; Matches 109; Conserv. 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRKE 162
 Db 153 EKORNGTILTVTSLPVGTRDWIEGETYQCRVTHPHPLRAMLRSSTKSGP 212
 Qy 61 EKORNGTILTVTSLPVGTRDWIEGETYQCRVTHPHPLRAMLRSSTKSGP 109

RESULT 14
 US-10-152-190-6
 ; Sequence 5, Application US/10152190
 ; Publication No. US20030096369A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morsey, Mohamad A.
 ; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines
 ; FILE REFERENCE: PCT/101A
 ; CURRENT APPLICATION NUMBER: US/10/152,190
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 28
 ; SEQ ID NO 6
 ; LENGTH: 129
 ; TYPE: PRT
 ; ORGANISM: Baculovirus expressed human CH3 domain
 ; US-10-152-190-6

Query Match 32.5%; Score 554; DB 14; Length 129;
 Best Local Similarity 96.3%; Pred. No. 2.6e-36; Matches 105; Conserv. 1; Mismatches 3; Indels 0; Gaps 0;

Qy 102 ADSNPRGVAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRKE 161
 Db 21 ADSNPRGVAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRKE 60

Qy 152 EKORNGTILTVTSLPVGTRDWIEGETYQCRVTHPHPLRAMLRSSTKSGT 210
 Db 81 EKORNGTILTVTSLPVGTRDWIEGETYQCRVTHPHPLRAMLRSSTKSGT 129

RESULT 15
 US-10-152-190-8
 ; Sequence 8, Application US/10152190
 ; Publication No. US20030096369A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morsey, Mohamad A.
 ; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines
 ; FILE REFERENCE: PCT/101A
 ; CURRENT APPLICATION NUMBER: US/10/152,190
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 28
 ; SEQ ID NO 8
 ; LENGTH: 108
 ; TYPE: PRT
 ; ORGANISM: Modified Human CH4 Domain
 ; US-10-152-190-8

Query Match 32.3%; Score 551; DB 14; Length 108;
 Best Local Similarity 93.5%; Pred. No. 3.6e-36; Matches 101; Conserv. 5; Mismatches 2; Indels 0; Gaps 0;

Qy 213 RAAPPEVYFATPWPWPGSKDKRTAQLQNMFDISQWHLHNEVOLDAHSTTQPRK 272
 Db 1 RAAPPEVYFATPWPWPGSKDKRTAQLQNMFDISQWHLHNEVOLDAHSTTQPRK 60

Qy 273 GSQFVFVERLAVTRAEMQDKETICRAVHEAASPSQTVQRAVSNPK 320
 Db 61 GSQFVFVERLAVTRAEMQDKETICRAVHEAASPSQTVQRAVSNPK 108

Mon Mar 14 13:04:50 2005

us-09-847-208b-6.rapb

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Search completed: March 14, 2005, 11:12:33
Job time : 138 secs

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GenCore version 5.1.6

OM protein - protein search, using SW model

Run on: March 14, 2005, 10:48:59 ; Search time 43 Seconds

(without alignments)

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FPPPTVKLIQSSCDGGGHFP.....HEAASPSQTVQRAVSVNPK 320

55.528 Million cell updates/sec

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 437289

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-Processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep: *

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep: *

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep: *

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep: *

5: /cgn2_6/ptodata/1/iaa/PCII_COMB.pep: *

6: /cgn2_6/ptodata/1/iaa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ALIGNMENTS

RESULT 1

US-09-701-623C-2

; Sequence 2, Application US/09701623C

; Patent No. 6811782

; GENERAL INFORMATION

; APPLICANT: Wang Ph.D., Chang Yi

; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF

; TITLE OF INVENTION: ALLERGY

; FILE REFERENCE: 11514153US1

; CURRENT APPLICATION NUMBER: US/09/701.623C

; CURRENT FILING DATE: 2000-12-01

; PRIORITY APPLICATION NUMBER: PCT/US99/13959

; PRIORITY FILING DATE: 1999-06-21

; PRIORITY APPLICATION NUMBER: 091100, 287

; PRIORITY FILING DATE: 1998-06-20

; NUMBER OF SEQ ID NOS: 91

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 312

; TYPE: PRT

; ORGANISM: Dog

; FEATURE: OTHER INFORMATION: CH2CH3n of dog IGE

; PUBLICATION INFORMATION:

; AUTHORS: Patel, JOURNAL: Immunogenetics

; VOLUME: 41 PAGES: 282-286

; DATE: 1995

; US-09-701-623C-2

Query Match 52.5%; Score 895.5; DB 4; Length 312;

Best Local Similarity 55.1%; Pred. No. 5.6e-78; Mismatches 83; Indels 9; GapB 5;

Matches 172; Conservative 48; Sequence 1, Appli

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Result No.	Score	Query Match	Length	DB ID	Description
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2	783	45.9	313	4	US-09-701-623C-3
3	691.5	40.5	313	4	US-09-701-623C-4
4	597	35.0	113	2	US-08-232-5390-56
5	587	34.4	110	1	US-08-393-1050-6
6	587	34.4	110	2	US-08-434-8650-6
7	587	34.4	110	3	US-08-037-5790-2
8	581	34.0	109	1	US-08-037-5790-2
9	581	34.0	109	3	US-08-601-184-2
10	566.5	33.2	109	3	US-08-466-163B-1
11	566.5	33.2	109	4	US-09-802-077-1
12	566.5	33.2	109	4	US-09-802-077-1
13	556	32.6	106	2	US-08-232-5390-54
14	526	30.8	119	2	US-08-464-028-1
15	508.5	29.8	118	3	US-08-466-151-1
16	416.5	24.4	320	2	US-08-579-940-8
17	416	24.4	320	2	US-09-701-623C-40
18	394	23.1	76	4	US-09-701-623C-31
19	357.5	20.9	107	4	US-09-281-760B-36
20	356	22.8	228	7	US-09-960-362A-27
21	356	20.9	235	3	US-09-131-241-6
22	356	20.9	235	4	US-09-784-623-6
23	356	20.9	247	4	US-09-428-082B-12
24	356	20.9	269	4	US-09-428-082B-10
25	355	20.8	253	4	US-09-428-082B-18
26	355	20.8	277	4	US-09-428-082B-20
27	354	20.7	281	4	US-09-854-864-10

QY 239 IONFMPEDISVOMLNEVQLPDAHSTTPQRKTKGS -GFVFSRLEVTRAEMEQKDEFI 296
 Db 241 IONFPADISVOMLNDSPITQMDQYTRGPKVSGSRPAFIFSRLEVSRVDEQKMF 300
 QY 297 CRAVHEAASPSQ 308
 Db 301 COVHEALSGSR 312

RESULT 2
 US-09-701-623C-3
 ; Sequence 3, Application US/09701623C
 ; Patent No. 6811782
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang Ph.D., Chang Yi
 ; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
 ; FILE REFERENCE: 11514153US1
 ; CURRENT APPLICATION NUMBER: US/09/701,623C
 ; CURRENT FILING DATE: 2000-12-01
 ; PRIORITY APPLICATION NUMBER: PCT/US99/13959
 ; PRIORITY FILING DATE: 1999-06-21
 ; PRIORITY APPLICATION NUMBER: 09/100,287
 ; PRIORITY FILING DATE: 1998-06-20
 ; NUMBER OF SEQ ID NOS: 91
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 3
 ; LENGTH: 313
 ; TYPE: PRT
 ; ORGANISM: RAT
 ; FEATURE:
 ; OTHER INFORMATION: CH2CH3 of rat IgE
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Dorrington,
 ; AUTHORS: Bennich,
 ; JOURNAL: Immunology
 ; VOLUME: 41
 ; PAGES: 3-25
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Patel,
 ; JOURNAL: Immunogenetics
 ; VOLUME: 41
 ; PAGES: 282-286
 ; DATE: 1995
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Steen,
 ; JOURNAL: J. Mol. Biol.
 ; VOLUME: 177
 ; PAGES: 19-32
 ; DATE: 1984
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Ishida,
 ; JOURNAL: EMBO J.
 ; VOLUME: 1
 ; PAGES: 1117-1123
 ; DATE: 1982
 ; US-09-701-623C-3

Query Match 40.5%; Score 691.5; DB 4; Length 313;
 Best Local Similarity 46.4%; Pred. No. 2.9e-58; DB 4;
 Matches 136; Conservative 51; Mismatches 101; Indels 5; Gaps 5;

QY 13 CDGCHFPPITQIQLCULSVSYTGPINITWL-EDQVMDVLDLSTASTQEGELASTQBLLT 71
 Db 19 CDPNA-FHSTIQLCFCIYHILVNDVWLMDDREIITDQLACTVLLKEGKASTSKLN 77

QY 72 LSQKHLSDLSDRTYTCQVTOQHTFEDSTKCADSNPRGVASYLSRSPFDLFRKSPPTC 131
 Db 78 ITEDQWMSHSTFTCRVTSQGCDYLAHTTRCPHPEPREGATIVLIPSPDLDKONGAPKTC 137

QY 132 LWDLAPSLGTVNLTWSRASGKVNHS3RKEERQKNGTITVTLSTPLVGTDRWIEGETYQC 191
 Db 138 LWDLSEK-NVAVNTMOKKTSVSAQWYTKHNNMATTSTISLIPVAKWIGGYQC 196

QY 192 RVTHPHLPRALMSTKTSGPRAPAEVYFAFTEPWCSRDRKTLACIIONNPEDISVW 251
 Db 197 IVPDRDFKPKIVSITKPGOSAEPYVFPPE-BESEDRKTLCLIONNPEDISVW 255

Query Match 45.9%; Score 783; DB 4; length 313;
 Best Local Similarity 49.2%; Pred. No. 3.9e-67; DB 4;
 Matches 150; Conservative 49; Mismatches 100; Indels 6; Gaps 5;

QY 2 TPPTVKLQISSLTSOKWHLSDLSDRTYTCQVTOQHTFEDSTKCADSNPRGVASYLSRSPFD 120
 Db 7 TPKTVDLHSSDPNA-FHSTIQLCFCIYHILVNDVWLMDDREIITDQLACTVLLKEGKASTSKLN 65

QY 61 GELASTOSELTUSOKWHLSDLSDRTYTCQVTOQHTFEDSTKCADSNPRGVASYLSRSPFD 120
 Db 66 GKLASTYSLNLTQQOMWSESTFCKVTSQENYWAHTRRCSDDEPRGVITYLIPSPUD 125

RESULT 3
 US-09-701-623C-4
 ; Sequence 4, Application US/09701623C
 ; Patent No. 6811782
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang Ph.D., Chang Yi
 ; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
 ; FILE REFERENCE: 11514153US1
 ; CURRENT APPLICATION NUMBER: US/09/701,623C
 ; CURRENT FILING DATE: 2000-12-01
 ; PRIORITY APPLICATION NUMBER: PCT/US99/13959
 ; PRIORITY FILING DATE: 1999-06-21
 ; PRIORITY APPLICATION NUMBER: 09/100,287
 ; PRIORITY FILING DATE: 1998-06-20
 ; NUMBER OF SEQ ID NOS: 91
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 4
 ; LENGTH: 313
 ; TYPE: PRT
 ; ORGANISM: MOUSE
 ; FEATURE:
 ; OTHER INFORMATION: CH2CH3 of mouse IgE
 ; US-09-701-623C-4

Query Match 40.5%; Score 691.5; DB 4; Length 313;
 Best Local Similarity 46.4%; Pred. No. 2.9e-58; DB 4;
 Matches 136; Conservative 51; Mismatches 101; Indels 5; Gaps 5;

QY 13 CDGCHFPPITQIQLCULSVSYTGPINITWL-EDQVMDVLDLSTASTQEGELASTQBLLT 71
 Db 19 CDPNA-FHSTIQLCFCIYHILVNDVWLMDDREIITDQLACTVLLKEGKASTSKLN 77

QY 72 LSQKHLSDLSDRTYTCQVTOQHTFEDSTKCADSNPRGVASYLSRSPFDLFRKSPPTC 131
 Db 78 ITEDQWMSHSTFTCRVTSQGCDYLAHTTRCPHPEPREGATIVLIPSPDLDKONGAPKTC 137

QY 132 LWDLAPSLGTVNLTWSRASGKVNHS3RKEERQKNGTITVTLSTPLVGTDRWIEGETYQC 191
 Db 138 LWDLSEK-NVAVNTMOKKTSVSAQWYTKHNNMATTSTISLIPVAKWIGGYQC 196

QY 192 RVTHPHLPRALMSTKTSGPRAPAEVYFAFTEPWCSRDRKTLACIIONNPEDISVW 251
 Db 197 IVPDRDFKPKIVSITKPGOSAEPYVFPPE-BESEDRKTLCLIONNPEDISVW 255

Query Match 45.9%; Score 783; DB 4; length 313;
 Best Local Similarity 49.2%; Pred. No. 3.9e-67; DB 4;
 Matches 150; Conservative 49; Mismatches 100; Indels 6; Gaps 5;

QY 2 TPPTVKLQISSLTSOKWHLSDLSDRTYTCQVTOQHTFEDSTKCADSNPRGVASYLSRSPFD 120
 Db 7 TPKTVDLHSSDPNA-FHSTIQLCFCIYHILVNDVWLMDDREIITDQLACTVLLKEGKASTSKLN 65

QY 61 GELASTOSELTUSOKWHLSDLSDRTYTCQVTOQHTFEDSTKCADSNPRGVASYLSRSPFD 120
 Db 66 GKLASTYSLNLTQQOMWSESTFCKVTSQENYWAHTRRCSDDEPRGVITYLIPSPUD 125

RESULT 4
 US-08-232-539-56
 ; Sequence 56, Application US/08232539D
 ; Patent No. 595709
 ; GENERAL INFORMATION:
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: IgE Antagonists
 NUMBER OF SEQUENCES: 60
 CORRESPONDENCE ADDRESS: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/399,106A
 APPLICATION NUMBER: US/08/232,539D
 FILING DATE: 01-Mar-1995
 CLASSIFICATION: 424
 FILING DATE: 21-APR-1994
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/178583
 FILING DATE: 07-JAN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/44768
 FILING DATE: 14-AUG-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P0718P3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 56:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 113 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-232-539D-56

Query Match 35.0%; Score 597; DB 2; Length 113;
 Best Local Similarity 100.0%; Pred. No. 7.2e-50; Mismatches 0; Indels 0; Gaps 0;
 Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 101 CADSNPREGVAVSLRSPSPDFLIRKSPTCTLVADPSKGNTLMSRASGKVNISTR 160
 Db 1 CADSNPREGVAVSLRSPSPDFLIRKSPTCTLVADPSKGNTLMSRASGKVNISTR 60
 Qy 161 KEEKQKRNGLTITLSPGTRDNEGETYQCRVTHPHIPRALRSTKTKSGP 212
 Db 61 KEEKQKRNGLTITLSPGTRDNEGETYQCRVTHPHIPRALRSTKTKSGP 112

RESULT 5
 US-08-399-106A-6
 Sequence 6; Application US/08433105A
 Patent No. 5807706
 GENERAL INFORMATION:
 APPLICANT: Carter, Paul J.
 APPLICANT: Presa, Leonard G.
 APPLICANT: Ridgway, John B.
 TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/433,105A
 FILING DATE: 03-May-1995
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/399106
 FILING DATE: 01-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: P0227D2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/952-9881
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 110 amino acids

SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/399,106A
 FILING DATE: 01-Mar-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: P0227D2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/952-9881
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 110 amino acids

Query Match 34.4%; Score 587; DB 1; Length 110;
 Best Local Similarity 100.0%; Pred. No. 6.4e-49;
 Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 211 GPRAAPEVYAFAPTPENPGSRDKRTLACIIONMPEDISVQMLNEVQLDARHSTTQPRK 270
 Db 1 GPRAAPEVYAFAPTPENPGSRDKRTLACIIONMPEDISVQMLNEVQLDARHSTTQPRK 270
 Qy 271 TKGSGFVFVSRLEVTRAWEQDEPFCRAVHEAASPSQTQVRAVSPKG 320
 Db 61 TKGSGFVFVSRLEVTRAWEQDEPFCRAVHEAASPSQTQVRAVSPKG 110

RESULT 7
 US-08-434-869A-6
 Sequence 6, Application US/08434869A
 Patent No. 5821133
 GENERAL INFORMATION:
 APPLICANT: Carter, Paul J.
 APPLICANT: Presta, Leonard G.
 APPLICANT: Ridgway, John B.
 TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/037,579A
 FILING DATE: 24-MAR-1993
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Rowland, Berram J.
 REGISTRATION NUMBER: 20-015
 REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (415) 398-3249
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 109 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-037-579A-2

Query Match 34.0%; Score 581; DB 1; Length 109;
 Best Local Similarity 100.0%; Pred. No. 2.4e-48;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 212 PRAAPEVYAFAPTPENPGSRDKRTLACIIONMPEDISVQMLNEVQLDARHSTTQPRK 271
 Db 1 PRAAPEVYAFAPTPENPGSRDKRTLACIIONMPEDISVQMLNEVQLDARHSTTQPRK 271
 Qy 272 KGSGFVFVSRLEVTRAWEQDEPFCRAVHEAASPSQTQVRAVSPKG 320
 Db 61 KGSGFVFVSRLEVTRAWEQDEPFCRAVHEAASPSQTQVRAVSPKG 109

RESULT 8
 US-08-037-579A-2
 Sequence 2, Application US/08037579A
 Patent No. 555537
 GENERAL INFORMATION:
 APPLICANT: Zhang, Ke
 APPLICANT: Max, Edward E
 APPLICANT: Saxon, Andrew
 TITLE OF INVENTION: 19G ISOFORMS AND METHODS OF USE
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: FLIHR, HOIBACH, TEST, ALBRITTON & HERBERT
 STREET: 4 Embarcadero Center, Suite 3400
 STATE: San Francisco
 COUNTRY: USA

Query Match 34.4%; Score 587; DB 1; Length 110;
 Best Local Similarity 100.0%; Pred. No. 6.4e-49;
 Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 211 GPRAAPEVYAFAPTPENPGSRDKRTLACIIONMPEDISVQMLNEVQLDARHSTTQPRK 270
 Db 1 GPRAAPEVYAFAPTPENPGSRDKRTLACIIONMPEDISVQMLNEVQLDARHSTTQPRK 270
 Qy 271 TKGSGFVFVSRLEVTRAWEQDEPFCRAVHEAASPSQTQVRAVSPKG 320
 Db 61 TKGSGFVFVSRLEVTRAWEQDEPFCRAVHEAASPSQTQVRAVSPKG 110

RESULT 9
 US-08-601-184-2
 Sequence 2, Application US/08601184
 Patent No. 6043345
 GENERAL INFORMATION:
 APPLICANT: Zhang, Ke
 APPLICANT: Max, Edward E
 APPLICANT: Saxon, Andrew
 TITLE OF INVENTION: 19G ISOFORMS AND METHODS OF USE
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: FLIHR, HOIBACH, TEST, ALBRITTON & HERBERT
 STREET: 4 Embarcadero Center, Suite 3400
 STATE: San Francisco
 COUNTRY: USA

COMPUTER READABLE FORM:
 MEDIUM/TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 APPLICATION DATA:
 FILING DATE:
 APPLICATION NUMBER: US/08/601,184
 ATTORNEY/AGENT INFORMATION:
 NAME: Sherwood, Pamela J.
 REFERENCE/DOCKET NUMBER: A-557950-1/PJS UCLA233-1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 494-8771
 TELEFAX: (415) 494-8771
 TELEX: 910 277299 FHT UR
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 109 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-601-84-2

RESULT 10

Query Match 34.0%; Score 581; DB 3; Length 109;
 Best Local Similarity 100.0%; Pred. No. 2.4e-48;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 212 PRAAPELLVAFATPEWPGSRDKRTLACLQNFMPEDISQWNLNEVOLPDARHISTQRTK 271
 1 PRAAPELLVAFATPEWPGSRDKRTLACLQNFMPEDISQWNLNEVOLPDARHISTQRTK 60

Db 272 KSSGFPFVSRLETRAEHQKDFPICRAVHEAMSPTQVRAVSVNPK 320
 61 KSSGFPFVSRLETRAEHQKDFPICRAVHEAMSPTQVRAVSVNPK 109

US-08-466-163B-1

Sequence 1, Application US/08466163B
 GENERAL INFORMATION:
 APPLICANT: Jardieu, Paula M.
 TITLE OF INVENTION: Immunoglobulin Variant
 FILE REFERENCE: P0118P2C1D1
 CURRENT APPLICATION NUMBER: US/08/466,163B
 CURRENT FILING DATE: 1995-06-06
 PRIOR APPLICATION NUMBER: US 08/405,617
 PRIOR FILING DATE: 1995-03-15
 PRIOR APPLICATION NUMBER: US 08/185,899
 PRIOR FILING DATE: 1994-01-26
 PRIOR APPLICATION NUMBER: US 07/879,495
 PRIOR FILING DATE: 1992-05-07
 PRIOR APPLICATION NUMBER: US 07/744,768
 PRIOR FILING DATE: 1991-08-14
 NUMBER OF SEQ ID NOS: 64
 SEQ ID NO 1
 LENGTH: 109
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-08-466-163B-1

Query Match 33.2%; Score 566.5; DB 3; Length 109;
 Best Local Similarity 99.1%; Pred. No. 5.9e-47;
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNRPGVSVAYLSRSRSPFDLFIKSPPTICLVLVDLAPSKGKTVNUTWSRASGKPVNHSRKE 162
 1 DSNRPGVSVAYLSRSRSPFDLFIKSPPTICLVLVDLAPSKGKTVNUTWSRASGKPVNHSRKE 60

RESULT 11

Query Match 61 EKORNGLTIVTSLPVGRDWEGET-QCRVTHPHPLPRLMRSTTKSGP 109
 Best Local Similarity 99.1%; Pred. No. 6.8e-39;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 103 DSNRPGVSVAYLSRSRSPFDLFIKSPPTICLVLVDLAPSKGKTVNUTWSRASGKPVNHSRKE 162
 1 DSNRPGVSVAYLSRSRSPFDLFIKSPPTICLVLVDLAPSKGKTVNUTWSRASGKPVNHSRKE 60

RESULT 12

Query Match 61 EKORNGLTIVTSLPVGRDWEGET-QCRVTHPHPLPRLMRSTTKSGP 109
 Best Local Similarity 99.1%; Pred. No. 5.9e-47;
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 163 EKORNGLTIVTSLPVGRDWEGET-QCRVTHPHPLPRLMRSTTKSGP 212
 61 EKORNGLTIVTSLPVGRDWEGET-QCRVTHPHPLPRLMRSTTKSGP 109

US-09-802-077-1

Sequence 1, Application US/0902077
 GENERAL INFORMATION:
 PATENT NO. 6699472
 APPLICANT: Jardieu, Paula M.
 TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)
 FILE REFERENCE: P0118P2C2US
 CURRENT APPLICATION NUMBER: US/09/802,077
 CURRENT FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US 08/405,617
 PRIOR FILING DATE: 1995-03-15
 PRIOR APPLICATION NUMBER: US 08/185,899
 PRIOR FILING DATE: 1994-01-26
 PRIOR APPLICATION NUMBER: PCT/US92/06660
 PRIOR FILING DATE: 1992-08-14
 PRIOR APPLICATION NUMBER: US 07/879,495
 PRIOR FILING DATE: 1991-08-14
 NUMBER OF SEQ ID NOS: 64
 SEQ ID NO 1
 LENGTH: 109
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-802-077-1

Query Match 33.2%; Score 566.5; DB 4; length 109;
 Best Local Similarity 99.1%; Pred. No. 5.9e-47; 0; Mismatches 0; Indels 1; Gaps 1;
 Matches 109; Conservative 0; ; Gaps 1;

Qy 103 DSNPRGVASAYLSRSPSPFDLFIRKSPTTCLVVDLAPSKGTVNLTWASRASGVNHSKRE 162
 Db 1 DSNPRGVASAYLSRSPSPFDLFIRKSPTTCLVVDLAPSKGTVNLTWASRASGVNHSKRE 60

Qy 163 EKQRNGTILTVSTLPGTRDWEGETYQCRVTHPHPLRALSMTTKTSGP 212
 Db 61 EKQRNGTILTVSTLPGTRDWEGETYQCRVTHPHPLRALSMTTKTSGP 109

RESULT 13
 US-08-232-539D-54
 Sequence 54, Application US/08232539D
 Patent No. 5,935709
 GENERAL INFORMATION:
 APPLICANT: Presta, Leonard G.
 APPLICANT: Jardieu, Paula M.
 TITLE OF INVENTION: IMMUNOGLOBULIN VARIANTS
 NUMBER OF SEQUENCES: 27
 NUMBER OF INVENTIONS: 1
 NUMBER OF SEQIDS: 60
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/464, 025A
 FILING DATE: 05-Jun-1995
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P0718C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/952-225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 119 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-464-025A-1

Query Match 30.8%; Score 526; DB 2; Length 119;
 Best Local Similarity 90.7%; Pred. No. 5.4e-43; 1; Mismatches 2; Indels 8; Gaps 4;
 Matches 107; Conservative 1; Gaps 4;

Qy 103 DSNPRGVASAYLSRSPSPFDLFIRKSPTTCLVVDLAPSKGTVNLTWASRAS--GKPVNHS 158
 Db 2 DSNPRGVASAYLSRSPSPFDLFIRKSPTTCLVVDLAPSKGTVNLTWASRAS--GKPVNHS 61

Qy 159 TRKEEKOR--NUGLTILTVSTLPGTRDWEGETYQCRVTHPHPLRALSMTTKTSGP 212
 Db 62 TRKEEKORQKXNXXGILTIVSTLPGTRDWEGETYQCRVTHPHPLRALSMTTKTSGP 119

RESULT 15
 US-08-466-151-1
 Sequence 1, Application US/08466151
 Patent No. 6,03453
 GENERAL INFORMATION:
 APPLICANT: Presta, Leonard G.
 APPLICANT: Jardieu, Paula M.
 TITLE OF INVENTION: Immunoglobulin Variants
 NUMBER OF SEQUENCES: 65
 NUMBER OF INVENTIONS: 1
 NUMBER OF SEQIDS: 65
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466, 151
 FILING DATE:

CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
SEQUENCE INFORMATION: SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 118 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-1

Query Match
Best Local Similarity 29.8%; Score 508.5; DB 3; Length 118;
Matches 106; Conservative 1; Mismatches 2; Indels 9; Gaps 5;

Qy 103 DSNPRGVASLSPSPSPD-LFRKSPTTCTLVDLAPSKGTVNLTWSRAS--GKPNHS 158
Db 2 DSNPRGVASLSPSPSPD-LFRKSPTTCTLVDLAPSKGTVNLTWSRASXKXGKPNHS 61
Qy 159 TRKEEKQR--NGTLTVSTLPGTRDMEGETYQCRVTHPHILPRL-MRSTKTSGP 212
Db 62 TRKEEKQRXNKGTLTVSTLPGTRDMEGET-QCRVTHPHILPRLXMRSTKTSGP 118

Search completed: March 14, 2005, 11:01:18
Job time : 44 secs

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OM protein - protein search, using sw model

Run on: March 14, 2005, 11:10:15 ; Search time 140 Seconds
 (without alignments)

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Title: US-09-847-208B-7

Perfect score: 3060
 Sequence: 1 EPKSCDKHTCPCPAPPELL.....HEAASPSTQVQRAVSVNPGK 569

Scanned: 1396920 seqs, 329844958 residues
 Total number of hits satisfying chosen parameters: 1267004

Minimum DB seq length: 0
 Maximum DB seq length: 569

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
 2: /cgn2_6/ptodata/2/pubpaa/PCT07_NEW_PUB.pep:*
 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
 4: /cgn2_6/ptodata/2/pubpaa/US05_PUBCOMB.pep:*
 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
 6: /cgn2_6/ptodata/2/pubpaa/BCTUS_PUBCOMB.pep:*
 7: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
 8: /cgn2_6/ptodata/2/pubpaa/PUBCOMB.pep:*
 9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
 10: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
 11: /cgn2_6/ptodata/2/pubpaa/US09 NEW_PUB.pep:*
 12: /cgn2_6/ptodata/2/pubpaa/US10 NEW_PUB.pep:*
 13: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*
 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*
 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*
 17: /cgn2_6/ptodata/2/pubpaa/US10 NEW_PUB.pep:*
 18: /cgn2_6/ptodata/2/pubpaa/US11 NEW_PUB.pep:*
 19: /cgn2_6/ptodata/2/pubpaa/US60_NEWPUB.pep:*
 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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RESULT 1
 US-09-847-208B-7
 Sequence 7, Application US/09847-208B
 Publication No. US20030082190A1
 GENERAL INFORMATION:
 APPLICANT: Saxon, Andrew
 APPLICANT: Zhang, Ke
 TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
 TITLE OF INVENTION: IgE-MEDIATED ALLERGIC DISEASES
 FILE REFERENCE: US67-002A
 CURRENT APPLICATION NUMBER: US/09-847-208B
 CURRENT FILING DATE: 2001-05-01
 NUMBER OF SEQ ID NOS: 177
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 7
 LENGTH: 569
 TYPE: PRT
 FEATURE: ORGANISM: Unknown
 OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
 US-09-847-208B-7

Query Match 100.0%; Score 3060; DB 10; Length 569;
 Best Local Similarity 100.0%; Pred. No. 4.1e-193;
 Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 1 EPKSCDKHTCPCPAPBLLGGPSVFLPPKDKTLMISRTEVTICWVNDISHEDPEVKF 60
 OY 1 EPKSCDKHTCPCPAPBLLGGPSVFLPPKDKTLMISRTEVTICWVNDISHEDPEVKF 60
 OY 61 NWYVGDGVVHNVKTKPREGQYNTYRVSVLTVLHOMMNGKEYKCKVSKNKLPAPEKT 120
 OY 61 NWYVGDGVVHNVKTKPREGQYNTYRVSVLTVLHOMMNGKEYKCKVSKNKLPAPEKT 120

Qy 121 ISKAKYQPREPQVYILPPSRDRLTQKVSITCLVKIGFY'SDIAVEWESNGOPENNYKTP 180
 Db 121 ISKAKYQPREPQVYILPPSRDRLTQKVSITCLVKIGFY'SDIAVEWESNGOPENNYKTP 180
 Qy 181 PVLDSVGSFFFLYSKLTVDKSRWQGNVFCSCVMHEALTHYQORSLSLSPGKVEGGGG 240
 Db 181 PVLDSVGSFFFLYSKLTVDKSRWQGNVFCSCVMHEALTHYQORSLSLSPGKVEGGGG 240
 Qy 241 CGGSGGGSFTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 300
 Db 241 CGGSGGGSFTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 300
 Qy 301 LSTASTTQEGELASTQELTSQKWLSPRTTQVYQHTFPEDSTKCADSNPRGUSA 360
 Db 301 LSTASTTQEGELASTQELTSQKWLSPRTTQVYQHTFPEDSTKCADSNPRGUSA 360
 Qy 361 YLSRSPSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 361 YLSRSPSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 421 VSTLPVGTRDWWIGETYQCRVTHPLPRLMRSTTKSGPRAPEVAFATPEWPSRD 480
 Db 421 VSTLPVGTRDWWIGETYQCRVTHPLPRLMRSTTKSGPRAPEVAFATPEWPSRD 480
 Qy 481 KRTLACLQNMPEDISQWLNHNEVOLPDARHSTTOPRKTKGSGFPVSRLEVRAEWEQ 540
 Db 481 KRTLACLQNMPEDISQWLNHNEVOLPDARHSTTOPRKTKGSGFPVSRLEVRAEWEQ 540
 Qy 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
 Db 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
 Qy 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
 Db 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569

RESULT 2
 US-10-000-439-7
 ; Sequence 7, Application US/10000439
 ; Publication No. US200301054063A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Saxon, Andrew
 ; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
 ; TREATMENT OF IMMUNE DISEASES
 ; FILE REFERENCE: UC067_004A
 ; CURRENT APPLICATION NUMBER: US/10/000,439
 ; CURRENT FILING DATE: 2001-10-24
 ; PRIORITY APPLICATION NUMBER: US 09/847,208
 ; PRIORITY FILING DATE: 2001-05-01
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: Fast-SEQ for Windows Version 4.0
 ; SEQ ID NO: 7
 ; LENGTH: 569
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
 ; sequence and a CH2-CH3-CH4 (19E) sequence
 ; US-10-000-439-7

Query Match 100.0%; Score 3060; DB 14; Length 569;
 Best Local Similarity 100.0%; Pred. No. 4.1e-193; Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCPAPBLLGSPSVEFLPPKPKDAMISRTFBEVTCVVWDVSHEDPEVKF 60
 Db 1 EPKSCDKHTCPCPAPBLLGSPSVEFLPPKPKDAMISRTFBEVTCVVWDVSHEDPEVKF 60
 Qy 61 NWYVDGVEVHNNTKTPRBEQYNTYRVSVLTUHVONWMNGREKYKCKVSKNKLAPPIKT 120
 Db 61 NWYVDGVEVHNNTKTPRBEQYNTYRVSVLTUHVONWMNGREKYKCKVSKNKLAPPIKT 120
 Qy 121 ISKAKYQPREPQVYILPPSRDRLTQKVSITCLVKIGFY'SDIAVEWESNGOPENNYKTP 180
 Db 121 ISKAKYQPREPQVYILPPSRDRLTQKVSITCLVKIGFY'SDIAVEWESNGOPENNYKTP 180

Qy 305 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 305 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 363 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 363 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 365 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 365 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 366 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 366 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420

Qy 181 PVLDSVGSFFFLYSKLTVDKSRWQGNVFCSCVMHEALTHYQORSLSLSPGKVEGGGG 240
 Db 181 PVLDSVGSFFFLYSKLTVDKSRWQGNVFCSCVMHEALTHYQORSLSLSPGKVEGGGG 240
 Qy 241 CGGSGGGSFTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 300
 Db 241 CGGSGGGSFTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 300
 Qy 301 LSTASTTQEGELASTQELTSQKWLSPRTTQVYQHTFPEDSTKCADSNPRGUSA 360
 Db 301 LSTASTTQEGELASTQELTSQKWLSPRTTQVYQHTFPEDSTKCADSNPRGUSA 360
 Qy 361 YLSRSPSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 361 YLSRSPSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 421 VSTLPVGTRDWWIGETYQCRVTHPLPRLMRSTTKSGPRAPEVAFATPEWPSRD 480
 Db 421 VSTLPVGTRDWWIGETYQCRVTHPLPRLMRSTTKSGPRAPEVAFATPEWPSRD 480
 Qy 481 KRTLACLQNMPEDISQWLNHNEVOLPDARHSTTOPRKTKGSGFPVSRLEVRAEWEQ 540
 Db 481 KRTLACLQNMPEDISQWLNHNEVOLPDARHSTTOPRKTKGSGFPVSRLEVRAEWEQ 540
 Qy 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
 Db 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
 Qy 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
 Db 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569

RESULT 3
 US-09-847-208-5
 ; Sequence 5, Application US/09847-208
 ; Publication No. US20030082190A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Saxon, Andrew
 ; APPLICANT: Zhang, Ke
 ; APPLICANT: Zhu, Daocheng
 ; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
 ; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
 ; FILE REFERENCE: UC67_002A
 ; CURRENT APPLICATION NUMBER: US/09/847,208
 ; CURRENT FILING DATE: 2001-05-01
 ; NUMBER OF SEQ ID NOS: 177
 ; SOFTWARE: Fast-SEQ for Windows Version 4.0
 ; SEQ ID NO: 5
 ; LENGTH: 427
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;
 Best Local Similarity 78.0%; Pred. No. 4.2e-108; Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
 Qy 129 REPPQTYLPPSRDRLTQKVSITCLVSGYTPGTINIWLEDQVMD 185
 Db 129 REPPQTYLPPSRDRLTQKVSITCLVSGYTPGTINIWLEDQVMD 185
 Qy 3 QSPSVFPLRCKKQPSNATSVTGLATGYFPVWMTWD-GSLNNTTMLPATLT 61
 Db 3 QSPSVFPLRCKKQPSNATSVTGLATGYFPVWMTWD-GSLNNTTMLPATLT 61
 Qy 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMHEALTHYQORSLSLSPGKVEGGGGGG 244
 Db 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMHEALTHYQORSLSLSPGKVEGGGGGG 244
 Qy 62 SGHYATISLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNDKTFSCV-..... 104
 Db 62 SGHYATISLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNDKTFSCV-..... 104
 Qy 245 GGGSSPTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 304
 Db 245 GGGSSPTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 304
 Qy 105 --SSDFTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 162
 Db 105 --SSDFTPTVKILQSSCDGGHFPPTQTLCLVSGYTPGTINIWLEDQVMD 162
 Qy 305 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 305 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 363 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 363 SPPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 365 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 365 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Qy 366 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420
 Db 366 PSPDFLIRKSPTITCLVWDLAPSGBTVNLTWSRASGKPVNHSRKERONGLT 420

RESULT 4

US-10-000-439-5

; Sequence 5, Application US/10000439

; Publication No. US2003004063A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR

; FILE REFERENCE: UC057.00A

; CURRENT APPLICATION NUMBER: US/10/000-439

; CURRENT FILING DATE: 2001-10-24

; PRIOR APPLICATION NUMBER: US 09/847,208

; PRIOR FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5

; LENGTH: 427

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-000-439-5

Query Match Best Local Similarity 78.0%; Score 1766; DB 14; Length 427; Matchers 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7; Qy 129 REPVVYIIPPSRDELTKQVSIT--CLVKGFPYPSDIAVEWESQOPENNYKTP-PVILDS 185 Db 3 QSFSVFPLTRCCRNIPSNATSVLGLCATGYPFPBPMVWTDT-GSLNQTTMLPATIL 62 Qy 186 VGFRLFLYKLTVDKSRKGQNYFSCSYNHEALHNHY-QORSLSLSPGVVEGGGGGGGS 244 Db 63 SGHVATISLILTV-SGAWAK-QMFTCRVAAHTPSSTDWVNDKTSVC----- 105 Qy 245 GGGSFTPTVKIQLSSDGHHFPPTIQLCIVSGYTPGTINITWEDGQMDVUSTA 304 Db 106 --SRDFTPTPTVKIQLSSDGHHFPPTIQLCIVSGYTPGTINITWEDGQMDVUSTA 163 Qy 305 STQEGELASTSBLTISQKHWLSDRYTQCVYQGHTPFDSTKKCADSNPRGVASYLSR 364 Db 154 STQEGELASTSBLTISQKHWLSDRYTQCVYQGHTPFDSTKKCADSNPRGVASYLSR 223 Qy 365 PSPDPLFIRKSPITCLVLDLAPSKGTVNLNTWSRASGPVNISTRKKEKQRNGTLTVST 424 Db 224 PSPDPLFIRKSPITCLVLDLAPSKGTVNLNTWSRASGPVNISTRKKEKQRNGTLTVST 283 Qy 425 LPVGTDRDIEGETYQCRVTHPHLPRALMRSITKTSGRRAPEVYAFATPEWGSRDKRTL 484 Db 234 LPVGTDRDIEGETYQCRVTHPHLPRALMRSITKTSGRRAPEVYAFATPEWGSRDKRTL 343 Qy 485 ACTLQNFPEPDISQWLNNEVQLDARHSTTQPRKTKGSGFVFSRLEVTRAWEQDEF 544 Db 314 ACTLQNFPEPDISQWLNNEVQLDARHSTTQPRKTKGSGFVFSRLEVTRAWEQDEF 403 Qy 545 ICRAVHEAASPQTVORAVSVNPGK 569 Db 403 ICRAVHEAASPQTVORAVSVNPGK 427

RESULT 5

US-09-916-230-1

; Sequence 1, Application US/09916230

; Patent No. US2002016422A1

; GENERAL INFORMATION:

; APPLICANT: Bachmann, Martin F.

; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE

; FILE REFERENCE: 1700.014001

; CURRENT APPLICATION NUMBER: US/09/916,230

; CURRENT FILING DATE: 2001-07-27

; PRIOR APPLICATION NUMBER: US 60/221,841

; PRIOR FILING DATE: 2000-07-28

; NUMBER OF SEQ ID NOS: 35

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1

; LENGTH: 428

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-916-230-1

Query Match Best Local Similarity 78.0%; Score 1766; DB 9; Length 428; Matchers 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7; Qy 129 REPVVYIIPPSRDELTKQVSIT--CLVKGFPYPSDIAVEWESQOPENNYKTP-PVILDS 185 Db 4 QSFSVFPLTRCCRNIPSNATSVLGLCATGYPFPBPMVWTDT-GSLNQTTMLPATIL 62 Qy 186 VGFRLFLYKLTVDKSRKGQNYFSCSYNHEALHNHY-QORSLSLSPGVVEGGGGGGGS 244 Db 63 SGHVATISLILTV-SGAWAK-QMFTCRVAAHTPSSTDWVNDKTSVC----- 105 Qy 245 GGGSFTPTVKIQLSSDGHHFPPTIQLCIVSGYTPGTINITWEDGQMDVUSTA 304 Db 106 --SRDFTPTPTVKIQLSSDGHHFPPTIQLCIVSGYTPGTINITWEDGQMDVUSTA 163 Qy 305 STQEGELASTSBLTISQKHWLSDRYTQCVYQGHTPFDSTKKCADSNPRGVASYLSR 364 Db 154 STQEGELASTSBLTISQKHWLSDRYTQCVYQGHTPFDSTKKCADSNPRGVASYLSR 223 Qy 365 PSPDPLFIRKSPITCLVLDLAPSKGTVNLNTWSRASGPVNISTRKKEKQRNGTLTVST 424 Db 224 PSPDPLFIRKSPITCLVLDLAPSKGTVNLNTWSRASGPVNISTRKKEKQRNGTLTVST 283 Qy 425 LPVGTDRDIEGETYQCRVTHPHLPRALMRSITKTSGRRAPEVYAFATPEWGSRDKRTL 484 Db 234 LPVGTDRDIEGETYQCRVTHPHLPRALMRSITKTSGRRAPEVYAFATPEWGSRDKRTL 343 Qy 485 ACTLQNFPEPDISQWLNNEVQLDARHSTTQPRKTKGSGFVFSRLEVTRAWEQDEF 544 Db 314 ACTLQNFPEPDISQWLNNEVQLDARHSTTQPRKTKGSGFVFSRLEVTRAWEQDEF 403 Qy 545 ICRAVHEAASPQTVORAVSVNPGK 569 Db 404 ICRAVHEAASPQTVORAVSVNPGK 428

RESULT 6

US-09-949-375A-1

; Sequence 1, Application US/09949375A

; Patent No. US2002012673A1

; GENERAL INFORMATION:

; APPLICANT: KLYSNER, Steen et al.

; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE

; FILE REFERENCE: 3631-011P

; CURRENT APPLICATION NUMBER: US/09/949,375A

; CURRENT FILING DATE: 2002-01-18

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 428

; TYPE: PRT

RESULT 5

ORGANISM: homo sapiens
 FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (11)..(116)
 OTHER INFORMATION: Human IgE heavy chain C1 domain
 FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (209)..(216)
 OTHER INFORMATION: Linker between domains C2 and C3
 FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (205)..(219)
 OTHER INFORMATION: Epitope including C2C3 linker
 FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (315)..(323)
 OTHER INFORMATION: Epitope including C3C4 linker
 FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (272)..(280)
 OTHER INFORMATION: Epitope in BC loop
 FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (301)..(311)
 OTHER INFORMATION: Epitope in FG loop
 FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (317)..(320)
 OTHER INFORMATION: Linker between domains C3 and C4
 FEATURE: DOMAIN
 LOCATION: (321)..(422)
 OTHER INFORMATION: Human IgE heavy chain C4 domain
 FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (217)..(316)
 OTHER INFORMATION: Human IgE heavy chain C3 domain
 FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query Match 57.7%; Score 1766; DB 9; Length 428;
 Best Local Similarity 78.0%; Pred. No. 4.2e-108; Mismatches 57; Indels 24; Gaps 7;
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Query 129 REPQVTLPPSRDELTKNOVSLT--CLVKGFVPSDIAVEWESNGOPENNYKTP--PVLDs 185
 Db 4 QSPSVFPLRCKNPKNSATSYVILGCLATGYFPEPVWNTWDT--GSNLNTWMTLPANTLT 62
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 186 VGSFLFLYSLTVKSRWQOGNTFCSYHEALHNHY--QORSLSLSPGKVGGGGGGGG 244
 Db 63 SGHYATISLTV--SGAWAK--QMFICRAHTSSTDWNUKTFSC 105
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 245 GGGGSFTPPPTVKLQLQSSCDGGHHFPPPTIQLCLVLSGYTPRINTIWLEDQWMDLSTA 304
 Db 4 QSPSVFPLRCKNPKNSATSYVILGCLATGYFPEPVWNTWDT--GSNLNTWMTLPANTLT 62
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 106 -SRDFTPPTVKLQLQSSCDGGHHFPPPTIQLCLVLSGYTPRINTIWLEDQWMDLSTA 163
 Db 106 -SRDFTPPTVKLQLQSSCDGGHHFPPPTIQLCLVLSGYTPRINTIWLEDQWMDLSTA 304
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 164 STQEGELASTSELTSQKWLSDTYYTCVYQHTFSDTKCADSPRGSYAYSLR 364
 Db 164 STQEGELASTSELTSQKWLSDTYYTCVYQHTFSDTKCADSPRGSYAYSLR 223
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 305 STQEGELASTSELTSQKWLSDTYYTCVYQHTFSDTKCADSPRGSYAYSLR 364
 Db 164 STQEGELASTSELTSQKWLSDTYYTCVYQHTFSDTKCADSPRGSYAYSLR 223
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 365 PSPFDLFLTRKSPPTICLVLVPLAPSKCIVNLTWSRASGKPNHSTRKEEKGNGLTIVST 424
 Db 224 PSPFDLFLTRKSPPTICLVLVPLAPSKCIVNLTWSRASGKPNHSTRKEEKGNGLTIVST 283
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 425 LPVGTRWIGEATYQCVTHPLPAMRSTTKTGSPRAPEVAFATPEPWPSRDKTL 484
 Db 284 LPVGTRWIGEATYQCVTHPLPAMRSTTKTGSPRAPEVAFATPEPWPSRDKTL 343
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 485 ACLQHMPPEIISVQWLNQVLPDARHSTQPRKTKSGFFVPSRLVTRAEWQKDEF 544
 Db 344 ACLQHMPPEIISVQWLNQVLPDARHSTQPRKTKSGFFVPSRLVTRAEWQKDEF 403
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

Query 545 ICRAVHEAASPQTVQRAVSVNPGK 569
 Db 404 ICRAVHEAASPQTVQRAVSVNPGK 428
 ; LOCATION: (113)..(208)
 OTHER INFORMATION: Human IgE heavy chain C2 domain
 ; US-09-949-375R-1

RESULT 7
 US-10-047-542-60
 Sequence 60, Application US/10047542
 Publication No. US20020168367A1
 GENERAL INFORMATION:
 APPLICANT: LARRICK, JAMES W.
 APPLICANT: WYCOFF, KEITH L.
 TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
 DISEASES
 FILE REFERENCE: 030905.0004.CIPI
 CURRENT APPLICATION NUMBER: US10/047,542
 CURRENT FILING DATE: 2001-10-26
 PRIOR APPLICATION NUMBER: PCT/US01/13932
 PRIOR FILING DATE: 2001-04-28
 PRIOR FILING DATE: 2000-04-28
 NUMBER OF SEQ ID NOS: 101
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO: 60
 LENGTH: 428
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-047-542-60

US-10-3631-95A-1
Sequence 1, Application US/10363195A1
Publication No. US20040156838A1

GENERAL INFORMATION:

APPLICANT: KLYNSER, Steen et al.
TITLE: METHOD FOR DOWN-REGULATING IGE
FILE REFERENCE: 4614-0115P

CURRENT APPLICATION NUMBER: US/10/363, 954A
CURRENT FILING DATE: 2003-03-06
PRIORITY APPLICATION NUMBER: US 60/232, 831
PRIORITY FILING DATE: 2000-05-15
PRIORITY APPLICATION NUMBER: DK PA 2000 01326
PRIORITY FILING DATE: 2000-09-06
NUMBER OF SEQ ID NOS: 38
SEQUENCE ID NO 1
LENGTH: 428
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..
OTHER INFORMATION: Human IgE heavy chain C1 domain
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (209)..
OTHER INFORMATION: Linker between domains C2 and C3
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (205)..
OTHER INFORMATION: Epitope including C2C3 linker
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (315)..
OTHER INFORMATION: Epitope including C3C4 linker
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (244)..
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (272)..
OTHER INFORMATION: Epitope in BC loop
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (317)..
OTHER INFORMATION: Epitope in FG loop
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (301)..
OTHER INFORMATION: Linker between domains C3 and C4
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: Human IgE heavy chain C4 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..
OTHER INFORMATION: Human IgE heavy chain C3 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: IgE heavy chain C4 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..
OTHER INFORMATION: IgE heavy chain C3 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: IgE heavy chain C4 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (427)..
OTHER INFORMATION: Human IgE heavy chain C2 domain
US-10-363-95A-1

Query Match 57 %; Score 1766; DB 16; Length 428;
Best Local Similarity 78 %; Pred. No. 4, 2e-57; Indels 24; Gaps 7;
Matches 347; Conservative 17; Mismatches 57; Insertions 24; Gaps 7;

QY 129 REPQYTLPPRSRDLTKNQQLST-CLVKQYPSDIAVEMWSNGQFBNNYKTP-PVLDs 185
Db 4 QSPSPYPLTRCKKNPNSATVTSGLATGYPPEPMWVWTD-GSINGNTMWTLPATLTL 62

RESULT 9
US-09-949-375A-7
Sequence 7, Application US/09949375A
Patent No. US200172673A1

GENERAL INFORMATION:

APPLICANT: KLYNSER, Steen et al.
TITLE: METHOD FOR DOWN-REGULATING IGE
FILE REFERENCE: 3631-0111P

CURRENT APPLICATION NUMBER: US/09/949, 375A
CURRENT FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 38
SEQUENCE ID NO 7
LENGTH: 441
TYPE: PRT
ORGANISM: homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..
OTHER INFORMATION: IgE heavy chain C1 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (113)..
OTHER INFORMATION: IgE heavy chain C2 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..
OTHER INFORMATION: IgE heavy chain C3 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: IgE heavy chain C4 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (427)..
OTHER INFORMATION: MIGIS Fragment
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (209)..
OTHER INFORMATION: Linker between domains C2 and C3
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (318)..
OTHER INFORMATION: Linker between domains C3 and C4

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (205)..(219)
 OTHER INFORMATION: Epitope including C2C3 linker

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (244)..(251)
 OTHER INFORMATION: Epitope in BC loop

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (272)..(280)
 OTHER INFORMATION: Epitope in DE loop

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (301)..(311)
 OTHER INFORMATION: Epitope in FG loop

Query Match 57.4%; Score 1755; DB 9; Length 441;
 Best Local Similarity 77.9%; Pred. No. 2.3e-107; Mismatches 57; Indels 24; Gaps 7;
 Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPOVYRPPRSPRDELTKNQVSLT--CLVKGVYPSDIAVEWESNGOPENNYKTP-PVLDs 185
 DB 4 QSPSVFVPLTRCKKNIPSNATSVTGLCIALGYPPEPVMTWDT-GSLNLTWMLPATLTL 62

QY 186 VSSFFLYSKLTVDKSRKQGQNFSCSUMHEALHNHY-QQRSLSLSPKGKVEGGGGGGGGS 244
 DB 63 SGHYATISLLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNDKTFPSVC----- 105

QY 245 GGGSFIPPTVKIQLQSSCDGGHHPPPTQLCLVSGVYPTGTTNITWLDQGQMDVULSTA 304
 DB 106 -SRDFEPTPTVKIQLQSSCDGGHHPPPTQLCLVSGVYPTGTTNITWLDQGQMDVULSTA 163

QY 305 STTOEGELASTOSELTSQKHLSDRTYTCQVYQGHTFEDSTKKCADSNPRGSVAYSLR 364
 DB 164 STTOEGELASTOSELTSQKHLSDRTYTCQVYQGHTFEDSTKKCADSNPRGSVAYSLR 223

QY 365 PSPFDLFRKSPITCLVLDLPSKGTVNLTSRASKGPNISTRKERKQRGTLTWT 424
 DB 224 PSPFDLFRKSPITCLVLDLPSKGTVNLTSRASKGPNISTRKERKQRGTLTWT 283

QY 425 LPVGTDRDIEGTYQCRTHPHIPRALMRSTKTTSGPRAPEVYATAPWMSRDRKTL 484
 DB 284 LPVGTDRDIEGTYQCRTHPHIPRALMRSTKTTSGPRAPEVYATAPWMSRDRKTL 343

QY 485 ACLTQNFMPEDISQWLINEVQVLDARHSTTORKTKKGSGFFVFSRLEVTRAWEQDEF 544
 DB 344 ACLTQNFMPEDISQWLINEVQVLDARHSTTORKTKKGSGFFVFSRLEVTRAWEQDEF 403

QY 545 ICRAVHEAASPOTVORAVSVNP 567
 DB 404 ICRAVHEAASPOTVORAVSVNP 426

RESULT 10
 US-10-363-954A-7
 Sequence 7, Application US/10363954A
 Publication No. US20040156838A1
 GENERAL INFORMATION:
 APPLICANT: KLYNSNER, Steen et al.
 TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
 FILE REFERENCE: 4614-0115P
 CURRENT APPLICATION NUMBER: US/10/363, 954A
 CURRENT FILING DATE: 2003-03-06
 PRIOR APPLICATION NUMBER: US 60/232, 831
 PRIOR FILING DATE: 2000-09-15
 PRIOR APPLICATION NUMBER: DK PA 2000 01326
 PRIOR FILING DATE: 2000-09-06

NUMBER OF SEQ ID NOS: 38
 SOFTWARE: Patentin version 3.1
 SEQ ID NO 7
 LENGTH: 441
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (113)..(208)
 OTHER INFORMATION: IgE heavy chain C1 domain

FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (217)..(317)
 OTHER INFORMATION: IgE heavy chain C3 domain

FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (321)..(422)
 OTHER INFORMATION: IgE heavy chain C4 domain

FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (427)..(441)
 OTHER INFORMATION: MIGIS fragment

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (209)..(216)
 OTHER INFORMATION: Linker between domains C2 and C3

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (205)..(219)
 OTHER INFORMATION: Epitope including C2C3 linker

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (244)..(251)
 OTHER INFORMATION: Epitope in BC loop

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (315)..(323)
 OTHER INFORMATION: Epitope including C2C3 linker

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (272)..(280)
 OTHER INFORMATION: Epitope in DE loop

FEATURE: MISC FEATURE
 NAME/KEY: MISC FEATURE
 LOCATION: (301)..(311)
 OTHER INFORMATION: Epitope in FG loop

Query Match 57.4%; Score 1755; DB 16; Length 441;
 Best Local Similarity 77.9%; Pred. No. 2.3e-107; Mismatches 57; Indels 24; Gaps 7;
 Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPOVYRPPRSPRDELTKNQVSLT--CLVKGVYPSDIAVEWESNGOPENNYKTP-PVLDs 185
 DB 4 QSPSVFVPLTRCKKNIPSNATSVTGLCIALGYPPEPVMTWDT-GSLNLTWMLPATLTL 62

QY 186 VSSFFLYSKLTVDKSRKQGQNFSCSUMHEALHNHY-QQRSLSLSPKGKVEGGGGGGGGS 244
 DB 63 SGHYATISLLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNDKTFPSVC----- 105

QY 245 GGGSFIPPTVKIQLQSSCDGGHHPPPTQLCLVSGVYPTGTTNITWLDQGQMDVULSTA 304
 DB 106 -SRDFEPTPTVKIQLQSSCDGGHHPPPTQLCLVSGVYPTGTTNITWLDQGQMDVULSTA 163

QY 305 STTOEGELASTOSELTSQKHLSDRTYTCQVYQGHTFEDSTKKCADSNPRGSVAYSLR 364

Db 164 STQEGELASTQBLTSLQSKHWSDRTYCQTYQGHTFEDSTKKCADSNPQGSYLSR 223

Qy 365 PSPFDLFIKSPPTITCLVWDLASKGTQNLWTSRASGPVNHTSKKEKQNGTLTVST 424

Db 224 PSPFDLFIKSPPTITCLVWDLASKGTQNLWTSRASGPVNHTSKKEKQNGTLTVST 283

Qy 425 LPYQTRDWTETQCRVTHPHPRALMRSTTKTSQPRKAPAEVAFATPEWPGSRDKTL 484

Db 284 LPYQTRDWTETQCRVTHPHPRALMRSTTKTSQPRKAPAEVAFATPEWPGSRDKTL 343

Qy 485 ACUJQNPEDISYQWLNHEVQLDARISTTQPRKTKSGFVFSRLEVTRAWEQKPF 544

Db 344 ACUJQNPEDISYQWLNHEVQLDARISTTQPRKTKSGFVFSRLEVTRAWEQKPF 403

Qy 545 ICRAVHEAASPSQTQRAVSVNP 567

Db 444 ICRAVHEAASPSQTQRAVSVNP 426

RESULT 11

US-10-872-932A-35

; Sequence 35, Application US/10872932A

; GENERAL INFORMATION:

; APPLICANT: Jin Lu

; TITLE OF INVENTION: ENGINEERED ANTI-TARGET IMMUNOGLOBULIN DERIVED PROTEINS

; FILE REFERENCE: CEN03JNP

; CURRENT APPLICATION NUMBER: US/10/872,932A

; CURRENT FILING DATE: 2004-06-21

; PRIOR APPLICATION NUMBER: US 60/483,654

; PRIOR FILING DATE: 2003-06-30

; NUMBER OF SEQ ID NOS: 42

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 35

; LENGTH: 497

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-872-932A-35

Query Match Best Local Similarity 57.3%; Score 1754.5; DB 17; Length 497; Matches 347; Conservative 77.5%; Pred. No. 2.9e-107; Mismatches 57; Indels 27; Gaps 8;

Qy 129 REPVYVTPPSRDLTQVNLST--CLVKGFPYPSDIATEWESNGOPENNYKTRP-PVUDS 185

Db 4 QSPSVFPLTRCCRNIPSNATSVTGLCLATGYFEPVPMVWDT-GSLNGTTMILPATLTL 62

Qy 186 VGGFLFLYSLTUDKSRWQOGNIVCSVWHEALRHY-QORSLSLSPGKVEGGGGGGGS 244

Db 63 SGHYTSLTUT-SGAWAK-QMFTCRVAHTPSSPDWVNKTFSVC----- 105

Qy 245 GGGGSFTPTVKLQLOSSCGGGHPRPTQLCLCLVSGYVPGTINTWLDGQWMDVLISTA 304

Db 106 -SRDFTPPTVKLQLOSSCGGGHPRPTQLCLCLVSGYVPGTINTWLDGQWMDVLISTA 163

RESULT 13

US-10-000-429-6

; Sequence 6, Application US/10000439

; Publication No. US20030064063A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR TREATMENT OF IMMUNE DISEASES

; FILE REFERENCE: UC067-004A

; CURRENT APPLICATION NUMBER: US/10/0000 439

; CURRENT FILING DATE: 2001-02-24

; PRIOR APPLICATION NUMBER: US 09/847,208

; PRIOR FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 6

; LENGTH: 320

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-847-208-6

Query Match Best Local Similarity 55.8%; Score 1707; DB 10; Length 320; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 250 FTTPTVKLQLOSSCGGGHPRPTQLCLCLVSGYVPGTINTWLDGQWMDVLISTA 309

Db 1 FTTPTVKLQLOSSCGGGHPRPTQLCLCLVSGYVPGTINTWLDGQWMDVLISTA 60

Qy 310 GELASTQBLTSLQSKHWSDRTYCQTYQGHTFEDSTKKCADSNPQGSYLSR 369

Db 61 GELASTQBLTSLQSKHWSDRTYCQTYQGHTFEDSTKKCADSNPQGSYLSR 120

Qy 370 LFTRKSPPTITCLVWDLASKGTQNLWTSRASGPVNHTSKKEKQNGTLTVSTLPGT 429

Db 121 LFTRKSPPTITCLVWDLASKGTQNLWTSRASGPVNHTSKKEKQNGTLTVSTLPGT 180

Qy 430 RDWIEGETYQCRVTHPHPRALMRSTTKTSQPRKAPAEVAFATPEWPGSRDKTL 489

Db 181 RDWIEGETYQCRVTHPHPRALMRSTTKTSQPRKAPAEVAFATPEWPGSRDKTL 240

Qy 490 NFPEPDISYQWLNHEVQLDARISTTQPRKTKSGFVFSRLEVTRAWEQKDFICRAV 549

Db 241 NFPEPDISYQWLNHEVQLDARISTTQPRKTKSGFVFSRLEVTRAWEQKDFICRAV 300

Qy 550 HEAASPSQTQRAVSVNGK 569

Db 301 HEAASPSQTQRAVSVNGK 320

US-10-000-439-6

Query Match 55.8%; Score 1707; DB 14; Length 320;
 Best Local Similarity 100.0%; Pred. No. 2,3e-14; Mismatches 0; Indels 0; Gaps 0;
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 250 FPPPTVKIQLQSCDGGHHRPTIQLCLUSGIFTGTTINTWLEBGQWMDVLDLSTASDQE 309
 Db 1 FPPPTVKIQLQSCDGGHHRPTIQLCLUSGIFTGTTINTWLEBGQWMDVLDLSTASDQE 60

Qy 310 GELASTQELTLSQKHWTSDRRTYCQVYQGHTFEDSTKCADSNPREGVSYLSRSPFD 369
 Db 61 LPIRKSPPTITCLVLDLAPSKGTVNLWTSRASGKPVNHSRKTRBEEKRONGTLTVTSLPGT 180

Qy 370 LPIRKSPPTITCLVLDLAPSKGTVNLWTSRASGKPVNHSRKTRBEEKRONGTLTVTSLPGT 429
 Db 121 LPIRKSPPTITCLVLDLAPSKGTVNLWTSRASGKPVNHSRKTRBEEKRONGTLTVTSLPGT 120

Qy 430 RDWIEGETYQCRVTHPHLPRALMRSTKTSKGPRAAPEVYAFATPEWPGSRDRTLACIQ 489
 Db 181 RDWIEGETYQCRVTHPHLPRALMRSTKTSKGPRAAPEVYAFATPEWPGSRDRTLACIQ 240

Qy 490 NMPEDISVQWLNEVOLPDARHSTTQPRKTKGSFFVFSRLEVTRAEMQDEFICRAV 549
 Db 241 NMPEDISVQWLNEVOLPDARHSTTQPRKTKGSFFVFSRLEVTRAEMQDEFICRAV 300

Qy 550 HEAASPQTVORAVSVNPGK 569
 Db 301 HEAASPQTVORAVSVNPGK 320

RESULT 14

Query Match 55.8%; Score 1707; DB 9; Length 323;
 Best Local Similarity 100.0%; Pred. No. 2,3e-104; Mismatches 0; Indels 0; Gaps 0;
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 250 FPPPTVKIQLQSCDGGHHRPTIQLCLUSGIFTGTTINTWLEBGQWMDVLDLSTASDQE 309
 Db 4 FPPPTVKIQLQSCDGGHHRPTIQLCLUSGIFTGTTINTWLEBGQWMDVLDLSTASDQE 63

Qy 310 GELASTQELTLSQKHWTSDRRTYCQVYQGHTFEDSTKCADSNPREGVSYLSRSPFD 369
 Db 64 GELASTQELTLSQKHWTSDRRTYCQVYQGHTFEDSTKCADSNPREGVSYLSRSPFD 123

Qy 370 LPIRKSPPTITCLVLDLAPSKGTVNLWTSRASGKPVNHSRKTRBEEKRONGTLTVTSLPGT 429
 Db 124 LPIRKSPPTITCLVLDLAPSKGTVNLWTSRASGKPVNHSRKTRBEEKRONGTLTVTSLPGT 183

Qy 430 RDWIEGETYQCRVTHPHLPRALMRSTKTSKGPRAAPEVYAFATPEWPGSRDRTLACIQ 489
 Db 184 RDWIEGETYQCRVTHPHLPRALMRSTKTSKGPRAAPEVYAFATPEWPGSRDRTLACIQ 243

Qy 490 NMPEDISVQWLNEVOLPDARHSTTQPRKTKGSFFVFSRLEVTRAEMQDEFICRAV 549
 Db 244 NMPEDISVQWLNEVOLPDARHSTTQPRKTKGSFFVFSRLEVTRAEMQDEFICRAV 303

Qy 550 HEAASPQTVORAVSVNPGK 569
 Db 304 HEAASPQTVORAVSVNPGK 323

RESULT 15

Query Match 55.8%; Score 1707; DB 4; Length 323;
 Best Local Similarity 100.0%; Pred. No. 09949375A
 Mismatches 0; Indels 0; Gaps 0;

Qy 4 Sequence 4, Application US/09949375A
 Db 1 Patent No. US20020172673A1

GENERAL INFORMATION:

APPLICANT: KLYNSNER, Steen et al.

TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE

FILE REFERENCE: 3631-0111P

CURRENT APPLICATION NUMBER: US/09/949,375A

CURRENT FILING DATE: 2002-01-18

NUMBER OF SEQ ID NOS: 38

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

SEQ ID NO 3

SEQ ID NO 4

TYPE: PRT

FEATURE:

ORGANISM: homo sapiens

NAME/KEY: DOMAIN

LOCATION: (8)..(103)

OTHER INFORMATION: Human IgE heavy chain C2 domain

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (112)..(211)

OTHER INFORMATION: Human IgE heavy chain C3 domain

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (216)..(317)

OTHER INFORMATION: Human IgE heavy chain C4 domain

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (212)..(215)

OTHER INFORMATION: Linker between domains C3 and C4

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (100)..(114)

OTHER INFORMATION: Epitope including C2C3 linker

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (210)..(218)

OTHER INFORMATION: Epitope including C3C4 linker

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (139)..(145)

OTHER INFORMATION: Epitope in BC loop

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (167)..(175)

OTHER INFORMATION: Epitope in DE loop

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (196)..(206)

OTHER INFORMATION: Epitope in FG loop

Qy 310 GELASTOSELTUSOKHMSDRYTQVYQGTFPDSIKCADCNSPROVSAVLRSRSPFD 369
Db 64 GELASTOSELTUSOKHMSDRYTQVYQGTFPDSIKCADCNSPROVSAVLRSRSPFD 123
Qy 370 LFTIRKSPITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEFRQRTGTLTVSTLPGT 429
Db 124 LFTIRKSPITCLVVDLASKGTNLTSRASGKPVNHSRKEFRQRTGTLTVSTLPGT 103
Qy 430 RWIEGETYQCRVTHPHPLRMRSTTKSGPRAPEYAFATPEWPGSRDRKTLACLIQ 489
Db 184 RWIEGETYQCRVTHPHPLRMRSTTKSGPRAPEYAFATPEWPGSRDRKTLACLIQ 243
Qy 490 NRPEDISVQWLHNEVOLPDRHSTTQPKTKSGFPVFSRLRVTRAEWEQDIFICRAV 549
Db 244 NRPEDISVQWLHNEVOLPDRHSTTQPKTKSGFPVFSRLRVTRAEWEQDIFICRAV 303
Qy 550 HEASPSOTVQRAVSVNPK 569
Db 304 HEASPSOTVQRAVSVNPK 323

Search completed: March 14, 2005, 11:24:29
Job time : 142 secB

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Om protein - protein search, using SW model

Run on: March 14, 2005, 11:00:35 ; Search time 43 Seconds
(without alignments)

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 487530

Minimum DB seq length: 0

Maximum DB seq length: 569

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/1aa/5A_COMBO.PEP: *
2: /cgn2_6/ptodata/1/1aa/5B_COMBO.PEP: *
3: /cgn2_6/ptodata/1/1aa/6A_COMBO.PEP: *
4: /cgn2_6/ptodata/1/1aa/6B_COMBO.PEP: *
5: /cgn2_6/ptodata/1/1aa/PC1US_COMBO.PEP: *
6: /cgn2_6/ptodata/1/1aa/backfiles1.PEP: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

RESULT 1 US-09-701-623C-1

; Sequence 1, Application US/09701623C

; Patent No. 6811782

; GENERAL INFORMATION

; APPLICANT: Wang Ph.D., Chang Yi

; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF ALLERGY

; FILE REFERENCE: 115415US1

; CURRENT APPLICATION NUMBER: US/09/701.623C

; CURRENT FILING DATE: 2000-12-01

; PRIOR APPLICATION NUMBER: PCT/US99/13959

; PRIOR FILING DATE: 1999-06-21

; PRIOR APPLICATION NUMBER: 091100, 287

; PRIOR FILING DATE: 1998-06-20

; NUMBER OF SEQ ID NOS: 91

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 325

; TYPE: PRT

; ORGANISM: HUMAN

; FEATURE: CH2CH3

; OTHER INFORMATION: CH2CH3 of human IgE

; PUBLICATION INFORMATION:

; AUTHORS: Dorrington, Bennich, J.

; JOURNAL: Immunology

; VOLUME: 116

; PAGES: 3-25

; DATE: 1978

; US-09-701-623C-1

US-09-701-623C-1

Query Match 55.6% ; Score 1701; DB 4; Length 325;

Best Local Similarity 99.4%; Pred. No. 2e-135; Matches 318; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 250 FPPPTVKLQSSCDGGHPPPTQLCLVSGYPTGTTINTWLBDGQMDVLDLSTASDQE 309

6 FPPPTVKLQSSCDGGHPPPTQLCLVSGYPTGTTINTWLBDGQMDVLDLSTASDQE 65

Db 310 GELASTOBRLLTSQKHWMSDRTYTCQVYQGHFEDSTKKAQDSNPROVSAYLSRSPFD 369

QY 66 GELASTOBRLLTSQKHWMSDRTYTCQVYQGHFEDSTKKAQDSNPROVSAYLSRSPFD 125

Db 370 LFTRKSPITCLVLDLASFKGTVNLNTWSRASGKPVNHSRTRKEKQNGNLTVSTLPVGT 429

Db 126 LFTRKSPITCLVLDLASFKGTVNLNTWSRASGKPVNHSRTRKEKQNGNLTVSTLPVGT 185

QY 430 RDWIEGETYQCRVTHPHPRALMRSTTTSQGPRAPAEVYATAPPEWPGSRDKRKLACLJQ 489

RESULT 2
US-09-428-082B-22
; Sequence 22, Application US/09428082B
; Patent No. 6610843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; CURRENT APPLICATION NUMBER: US/09/428, 082B
; CURRENT FILING DATE: 1999-10-22
; PRIORITY APPLICATION NUMBER: 60/105, 371
; PRIORITY FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-TMP-TMP
; US-09-428-082B-8
; Query Match 40.8%; Score 1247; DB 4; Length 277;
; Best Local Similarity 81.8%; Pred. No. 3.5e-97;
; Matches 239; Conservative 7; Mismatches 12; Indels 34; Gaps 5;
; Qy 6 DKHHTCPCPAPELLGGPSVFLPPKPDITMISRTPEVTCTVVDVSHEDPSVKFWYD 65
; Db 2 DKHHTCPCPAPELLGGPSVFLPPKPDITMISRTPEVTCTVVDVSHEDPSVKFWYD 61
; Qy 66 GVEVHNKTKPREEQNSTYRVSVLTVLHQVNWMNGKEYKCKVSNKALPAPIEKTISAK 125
; Db 62 GVEVHNKTKPREEQNSTYRVSVLTVLHQVNWMNGKEYKCKVSNKALPAPIEKTISAK 121
; Qy 126 VQREPQVTLPSPRDELTKQVQLTCLVKGFYPSDIAVENESNGOPENNYKTPVLDs 185
; Db 122 GQREPQVTLPSPRDELTKQVQLTCLVKGFYPSDIAVENESNGOPENNYKTPVLDs 181
; Qy 186 VGSFLFLSKLTVDKSRMHQGNVFSCSVMEHALHNHYQQRSLISLSPGKVEGGGSG--- 240
; Db 182 DGSFLFLSKLTVDKSRMHQGNVFSCSVMEHALHNHYQQRSLISLSPGKVEGGGSGIEPTLQ 241
; Qy 241 -----GGGGGGGSFRMPPTVK 256
; Db 242 WLAARAGGGGGGGGGGGGSPTLR 262
; RESULT 4
US-09-422-038C-46
; Sequence 46, Application US/09422038C
; Patent No. 6835809
; GENERAL INFORMATION:
; APPLICANT: Liu, Chuan-Fa
; APPLICANT: Feige, Ulrich
; APPLICANT: Cheetham, Janet C.
; TITLE OF INVENTION: Thrombopoietic Compounds
; FILE REFERENCE: 01017/36263
; CURRENT APPLICATION NUMBER: US/09/422, 838C
; CURRENT FILING DATE: 1999-10-22
; PRIORITY APPLICATION NUMBER: 60/105, 348
; PRIORITY FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; US-09-422-038C-46
; Query Match 40.6%; Score 1243; DB 4; Length 269;
; Best Local Similarity 88.9%; Pred. No. 7.2e-97;
; Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;
; Qy 6 DKHHTCPCPAPELLGGPSVFLPPKPDITMISRTPEVTCTVVDVSHEDPSVKFWYD 65
; Db 2 DKHHTCPCPAPELLGGPSVFLPPKPDITMISRTPEVTCTVVDVSHEDPSVKFWYD 61
; Qy 66 GVEVHNKTKPREEQNSTYRVSVLTVLHQVNWMNGKEYKCKVSNKALPAPIEKTISAK 125
; Db 62 GVEVHNKTKPREEQNSTYRVSVLTVLHQVNWMNGKEYKCKVSNKALPAPIEKTISAK 121

RESULT 5
 US-09-428-082B-15
 ; Sequence 16, Application US/09428082B
 ; Patent No. 6650843
 ; GENERAL INFORMATION:
 ; APPLICANT: FEIGE, ULRICH
 ; APPLICANT: LIU, CHUAN-FA
 ; APPLICANT: BOONE, THOMAS CHARLES
 ; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 ; FILE REFERENCE: A-527
 ; CURRENT APPLICATION NUMBER: US/09/428, 082B
 ; CURRENT FILING DATE: 1999-10-22
 ; PRIOR APPLICATION NUMBER: 60/105,371
 ; PRIOR FILING DATE: 1998-10-23
 ; NUMBER OF SEQ ID NOS: 1133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 16
 ; LENGTH: 253
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: FC-EMP
 ; US-09-428-082B-16

Query Match 40.1%; Score 1226; DB 4; Length 253;
 Best Local Similarity 84.7%; Prod. No. 1.8e-95;
 Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;

QY 6 DKTHTCPCPAPELGGPSVFLPPKPDTLMSRTPEVTCVVNDVSHEDPEVKEP 60
 Db 2 DKHTCPCPAPELGGPSVFLPPKPDTLMSRTPEVTCVVNDVSHEDPEVKEP 61

QY 66 GVEVHNVKTKPREROYNTYRVSVSLTVLHQNMWNGKEYKCKVSNKALPAPERT 125
 Db 62 GVEVHNVKTKPREROYNTYRVSVSLTVLHQDWLNGKEYKCKVSNKALPAPERT 121

Qy 126 VQREPOQYTLPSRDELTQKQSLTCLVKGYPSDIANEWSNGOPENNYKTPVLDs 185
 Db 122 GQREPOQYTLPSRDELTQKQSLTCLVKGYPSDIANEWSNGOPENNYKTPVLDs 181

Qy 186 VGSFFFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYDQKSLSPGK 245
 Db 182 DGSFFFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYDQKSLSPGK 232

Qy 246 GGSFTRPPVTKIQLQSSCPGGGHRPEPTIOLCLVSG 280
 Db 233 GGGTY-----SC-----HFGP-LTVCKPOG 252

RESULT 6
 US-08-595-043A-50
 ; Sequence 50, Application US/08595043A
 ; Patent No. 5935824
 ; GENERAL INFORMATION:
 ; APPLICANT: SGARATO, GREGORY D.
 ; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
 ; NUMBER OF SEQIDENCES: 90
 ; CORRESPONDENCE ADDRESS:

RESULT 5
 US-09-428-082B-15
 ; Sequence 16, Application US/09428082B
 ; Patent No. 6650843
 ; GENERAL INFORMATION:
 ; APPLICANT: FEIGE, ULRICH
 ; APPLICANT: LIU, CHUAN-FA
 ; APPLICANT: BOONE, THOMAS CHARLES
 ; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 ; FILE REFERENCE: A-527
 ; CURRENT APPLICATION NUMBER: US/09/428B, 082B
 ; CURRENT FILING DATE: 1999-10-22
 ; PRIOR APPLICATION NUMBER: 60/105,371
 ; PRIOR FILING DATE: 1998-10-23
 ; NUMBER OF SEQ ID NOS: 1133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 16
 ; LENGTH: 253
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: FC-EMP
 ; US-09-428-082B-16

Query Match 40.0%; Score 1225; DB 2; Length 232;
 Best Local Similarity 97.0%; Prod. No. 1.9e-95;
 Matches 225; Conservative 97; Mismatches 50; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPELGGPSVFLPPKPDTLMSRTPEVTCVVNDVSHEDPEVKEP 60
 Db 1 EPKSCDKHTCPCPAPELGGPSVFLPPKPDTLMSRTPEVTCVVNDVSHEDPEVKEP 60

QY 61 NWYVTDGVVEVHNVKTKPREROYNTYRVSVSLTVLHQNMWNGKEYKCKVSNKALPAPERT 120
 Db 61 NWYVTDGVVEVHNVKTKPREROYNTYRVSVSLTVLHQDWLNGKEYKCKVSNKALPAPERT 120

QY 121 ISKAKVQREPOQYTLPSRDELTQKQSLTCLVKGYPSDIANEWSNGOPENNYKTP 180
 Db 121 ISKAKVQREPOQYTLPSRDELTQKQSLTCLVKGYPSDIANEWSNGOPENNYKTP 180

QY 181 PVLDGSFFFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYDQKSLSPGK 232
 Db 181 PVLDGSFFFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYDQKSLSPGK 232

RESULT 7
 US-09-368-3162A-26
 ; Sequence 26, Application US/099683162A
 ; Patent No. 6737493
 ; GENERAL INFORMATION:
 ; APPLICANT: Sun, Lee-Hwei K
 ; APPLICANT: Sun, Bill
 ; APPLICANT: Sun, Cecily R
 ; TITLE OF INVENTION: increased biological activities
 ; FILE REFERENCE: 03JUN2001
 ; CURRENT APPLICATION NUMBER: US/09/968, 3162A
 ; CURRENT FILING DATE: 2001-10-01
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 26
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Human IgG1 Fc with native hinge, CH2 and CH3 domains
 ; US-09-968-3162A-26
 ; Query Match 40.0%; Score 1225; DB 4; Length 232;

Best Local Similarity 97.0%; Pred. No. 1.9e-95; Indels 0; Gaps 0; Matches 225; Conservative 3; Mismatches 4; SEQ ID NO: 2

Qy 1 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60
Db 1 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60

Qy 61 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 120
Db 61 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 120

Qy 121 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180
Db 121 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180

Qy 181 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 232
Db 181 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 232

RESULT 8

US-09-178-869-2

; Sequence 2, Application US/09178869B

; Patent No. 6117294

; GENERAL INFORMATION:

; APPLICANT: Tao, Weng

; APPLICANT: Wong, Shou

; APPLICANT: Hickey, William F

; APPLICANT: Hammang, Joseph P.

; APPLICANT: Baetge, E. Edward

; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION

; FILE REFERENCE: 17810-943

; CURRENT APPLICATION NUMBER: US/09/178, 869B

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 331

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-178-869-2

Query Match 40.0%; Score 1225; DB 3; Length 331; Best Local Similarity 97.0%; Pred. No. 3.2e-95; Mismatches 3; Indels 0; Gaps 0; Matches 225; Conservative 3; Mismatches 4; SEQ ID NO: 2

Qy 1 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60
Db 1 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60

Qy 61 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 120
Db 61 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 120

Qy 121 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180
Db 121 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180

Qy 181 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 232
Db 181 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 232

RESULT 9

US-09-1761-413-2

; Sequence 2, Application US/09761413

; Patent No. 656891

; GENERAL INFORMATION:

; APPLICANT: Tao, Weng

; APPLICANT: Wong, Shou

; APPLICANT: Hickey, William F

; APPLICANT: Hammang, Joseph P.

; APPLICANT: Baetge, E. Edward

US-09-1761-413-2

Query Match 40.0%; Score 1225; DB 4; Length 331; Best Local Similarity 97.0%; Pred. No. 3.2e-95; Mismatches 3; Indels 0; Gaps 0; Matches 225; Conservative 3; Mismatches 4; SEQ ID NO: 2

Qy 1 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60
Db 100 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60

Qy 100 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 159
Db 100 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 159

Qy 61 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 120
Db 160 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 219

Qy 121 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180
Db 220 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180

Qy 181 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 232
Db 280 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 331

RESULT 10

US-09-180-10-11

; Sequence 11, Application US/09180100

; Patent No. 6306395

; GENERAL INFORMATION:

; APPLICANT: NAKAMURA, No. 630639510

; APPLICANT: NAGATA, Shigekazu

; TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE

; FILE REFERENCE: 1110-207P

; CURRENT APPLICATION NUMBER: US/09/180,100

; CURRENT FILING DATE: 1998-11-02

; EARLIER APPLICATION NUMBER: PCT/JP97/01502

; EARLIER FILING DATE: 1997-05-01

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 11

; LENGTH: 360

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-180-10-11

Query Match 40.0%; Score 1225; DB 3; Length 360; Best Local Similarity 97.0%; Pred. No. 3.7e-95; Mismatches 3; Indels 0; Gaps 0; Matches 225; Conservative 3; Mismatches 4; SEQ ID NO: 11

Qy 1 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 60
Db 129 EPKSCDKHTCPCPAPBLLGGSVFLPPKPKDTIMISRTPEVTCVVNDVSHDEPKF 188

Qy 61 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 120
Db 189 NWYVUDGVEVHNNTKTKPREBQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIEKT 248

Qy 121 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 180
Db 249 ISAKAVOPREPOVYTLPSPRDLTKNQVSLTCLVKGKYPSPDAVEMESNGOPENNYKTP 308

Qy 181 PVLDVGSSPFPLSKLTVDKSRQGNVFCSCVMHEALHNHYQKSLSLSPK 232

Db 309 |||||||PVLDSDSDFLYSKLTVDKSRWQGNVFSCSVMEALHNHYTOKSLSLSPGK 360

RESULT 11
US-08-236-311-7
Sequence 7, Application US/08236311
Patent No. 5565335
GENERAL INFORMATION:
APPLICANT: Capon, Daniel J.
APPLICANT: Gregory, Timothy J.
TITLE OF INVENTION: Adhesor Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/236,311
FILING DATE: 02-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/842777
FILING DATE: 18-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/250785
FILING DATE: 28-SEP-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987
ATTORNEY/AGENT INFORMATION:
NAME: Haak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 444P1C2

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-236-311-7

Query Match
Best Local Similarity 40.0%; Score 1225; DB 1; Length 371;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Db 320 |||||||PVLDSDSDFLYSKLTVDKSRWQGNVFSCSVMEALHNHYTOKSLSLSPGK 371

RESULT 12
US-08-57-918-7
Sequence 7, Application US/08457918
Patent No. 611655
GENERAL INFORMATION:
APPLICANT: Capon, Daniel J.
APPLICANT: Gregory, Timothy J.
TITLE OF INVENTION: Adhesor Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,918
FILING DATE: 1-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/236311
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/842777
FILING DATE: 28-SEP-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987
ATTORNEY/AGENT INFORMATION:
NAME: Kubinec, Jeffrey S.
REGISTRATION NUMBER: 36,575
REFERENCE/DOCKET NUMBER: P044P1C3

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8228
TELEFAX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-457-918-7

Query Match
Best Local Similarity 40.0%; Score 1225; DB 3; Length 371;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Db 140 EPKSDKHTCPCPAPBLLGGSSVFLPPKPKDTLMISRTPETVTVVVDVSHEDPEVRF 60
140 EPKSDKHTCPCPAPBLLGGSSVFLPPKPKDTLMISRTPETVTVVVDVSHEDPEVRF 199

Qy 61 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTLHQNMNGKEYCKVSKNKLAPIKT 120
61 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTLHQNMNGKEYCKVSKNKLAPIKT 120

Db 140 EPKSDKHTCPCPAPBLLGGSSVFLPPKPKDTLMISRTPETVTVVVDVSHEDPEVRF 60
140 EPKSDKHTCPCPAPBLLGGSSVFLPPKPKDTLMISRTPETVTVVVDVSHEDPEVRF 199

Qy 200 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTLHQDLNGKEYCKVSKNKLAPIKT 259
200 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTLHQDLNGKEYCKVSKNKLAPIKT 259

Qy 121 ISKAKVQPREQNYTLPSSRDELTKNQSLTCLVKGFPYPSDIAVEWESNGOPENNYKTP 180
121 ISKAKVQPREQNYTLPSSRDELTKNQSLTCLVKGFPYPSDIAVEWESNGOPENNYKTP 180

Db 260 ISKAKGQPREQNYTLPSSRDELTKNQSLTCLVKGFPYPSDIAVEWESNGOPENNYKTP 319
260 ISKAKGQPREQNYTLPSSRDELTKNQSLTCLVKGFPYPSDIAVEWESNGOPENNYKTP 319

Qy 181 PVLDSDSDFLYSKLTVDKSRWQGNVFSCSVMEALHNHYTOKSLSLSPGK 232
181 PVLDSDSDFLYSKLTVDKSRWQGNVFSCSVMEALHNHYTOKSLSLSPGK 232

RESULT 13
US-10-157-408-7
; Sequence 7, Application US/10157408
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; TITLE OF INVENTION: Gregory, Timothy J.
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Ratin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/157,408
; FILING DATE: 28-MAY-2002
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,918
; FILING DATE: 1-JUN-1995
; APPLICATION NUMBER: 08/0736311
; FILING DATE: 02-MAY-1994
; APPLICATION NUMBER: 077936190
; FILING DATE: 26-AUG-1992
; APPLICATION NUMBER: 07842777
; FILING DATE: 18-FEB-1992
; APPLICATION NUMBER: 07250785
; FILING DATE: 28-SEP-1988
; APPLICATION NUMBER: 07104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: P0444P1C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8228
; TELEFAX: 415/952-9881
; TELIX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-10-157-408-7
; QUERY MATCH:
; Best Local Similarity 97.0%; Score 1225; DB 4; Length 371;
; Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
; PATENT NO. 6710169
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMEIER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATHERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Polley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

RESULT 14
US-09-180-100-22
; Sequence 22, Application US/09180100
; PATENT NO. 6303395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; TITLE OF INVENTION: NOVEL FAB ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-07P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 22
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-180-100-22
; QUERY MATCH
; Best Local Similarity 40.0%; Score 1225; DB 3; Length 376;
; Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
; PATENT NO. 5872209
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMEIER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATHERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Polley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

RESULT 15
US-08-784-512-3
; Sequence 3, Application US/08784512
; PATENT NO. 5872209
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMEIER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATHERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Polley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

RESULT 16
QY 121 ISKAKVQPRRQPVYTLPSSRDELTKNOVSITCLVKGYPDSIAVEMESNGOPENNYKTP 180
Db 260 ISKAKVQPRRQPVYTLPSSRDELTKNOVSITCLVKGYPDSIAVEMESNGOPENNYKTP 319
QY 181 PVLDVGSPFLYSLKLTVDKSRWQGNVFCSTMHEALTHNHYTOKSLSLSPK 232
Db 320 PVLDGSFFFLYSLKLTVDKSRWQGNVFCSTMHEALTHNHYTOKSLSLSPK 371
QY 181 PVLDVGSPFLYSLKLTVDKSRWQGNVFCSTMHEALTHNHYTOKSLSLSPK 232
Db 320 PVLDGSFFFLYSLKLTVDKSRWQGNVFCSTMHEALTHNHYTOKSLSLSPK 371

RESULT 17
QY 121 ISKAKVQPRRQPVYTLPSSRDELTKNOVSITCLVKGYPDSIAVEMESNGOPENNYKTP 180
Db 260 ISKAKVQPRRQPVYTLPSSRDELTKNOVSITCLVKGYPDSIAVEMESNGOPENNYKTP 319
QY 181 PVLDVGSPFLYSLKLTVDKSRWQGNVFCSTMHEALTHNHYTOKSLSLSPK 232
Db 320 PVLDGSFFFLYSLKLTVDKSRWQGNVFCSTMHEALTHNHYTOKSLSLSPK 371

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT SOFTWARE: Patent in Release #1.0, Version #1.25
APPLICATION NUMBER: US/08/784,512
FILING DATE: 17-JAN-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: EP 96100682.2
FILING DATE: 18-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 1848/311
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..396
US-08-784-512-3

Query Match 40.0% Score 1225; DB 2; Length 396;
Best Local Similarity 97.0%; Pred. No. 4.2e-95; Mismatches 0; Indels 0; Caps 0;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Caps 0;
Qy 1 EPKSCDKHTCPICPAPBLLGGPSVFLPPKPKDILMSRPTVTVWVNDVSHEDPEVKP 60
Db 165 EPKSCDKHTCPICPAPBLLGGPSVFLPPKPKDILMSRPTVTVWVNDVSHEDPEVKF 224
Qy 61 NWVVDGVFVNWKTKPREEQYVNSTYRVVSVLTVLHQVNMGKEYCKVNSNKALPAPIEKT 120
Db 225 NWVVDGVFVNWKTKPREEQYVNSTYRVVSVLTVLHQVNMGKEYCKVNSNKALPAPIEKT 284
Qy 121 ISKAKVOPREPQVTLPSPSRDELTKNOVSLTCLVKGFYPSDAVEWEENGQPNYYKTP 180
Db 285 ISKAKGQPREPVQVTLPPSRDELTKNOVSLTCLVKGFYPSDAVEWEENGQPNYYKTP 344
Qy 181 PVLDSVSSFLPSKLTVDKSRKGQNFVCSWHEALHNHYQKRSLSLSPGK 232
Db 345 PVLDSVSSFLPSKLTVDKSRKGQNFVCSWHEALHNHYQKRSLSLSPGK 396

Search completed: March 14, 2005, 11:13:23
Job time : 44 secs

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